

NEW BUILDING FOR

EVANGEL CHRISTIAN NEW SCHOOL

6900 BILLTOWN RD.
LOUISVILLE, KY 40299

ISSUE DATE:		10-11-2024
REVISIONS:		<div>NOTE SYMBOL</div>

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CHARLES J. KEYES III

REGISTERED

3470

ARCHITECT

10/10/2014

10/10/2014

APPLICABLE BUILDING CODES

BUILDING CODE

ACCESSIBILITY CODE

ENERGY CODE

KBC 2018

ADAAG 2010/ ANSI A117.1 2009

IECC 2012

USE AND OCCUPANCY:

B - BUSINESS

CONSTRUCTION TYPE:

II-B

BUILDING INFORMATION

MAIN BUILDING:

CONNECTOR BUILDING:

TOTAL BUILDING SIZE:

15,000 s.f.

180 s.f.

15,180 s.f.

FIRE SUPPRESSION:

SPRINKLERED PER NFPA 13

OCCUPANCY ALLOWANCE

FUNCTION OF SPACE	ALLOWANCE	AREA	OCCUPANCY
EDUCATIONAL	20 NET	6,242	313
ASSEMBLY- MULTI-PURPOSE (CHAIRS ONLY)	7 NET	2,795	399
ASSEMBLY- CAFETERIA (TABLES AND CHAIRS)	15 NET	3,800	253
BUSINESS- (OFFICES)	100 GROSS	935	10
TOTAL OCCUPANCY ALLOWANCE:			975

ARCHITECT:

KEYES ARCHITECTS AND ASSOCIATES
4717 PRESTON HIGHWAY
LOUISVILLE, KENTUCKY 40213
PH: (502) 636-5113
CONTACT:NAME
EMAIL:XXX@XXX.COM
ARCHITECT: CHARLES J. KEYES III

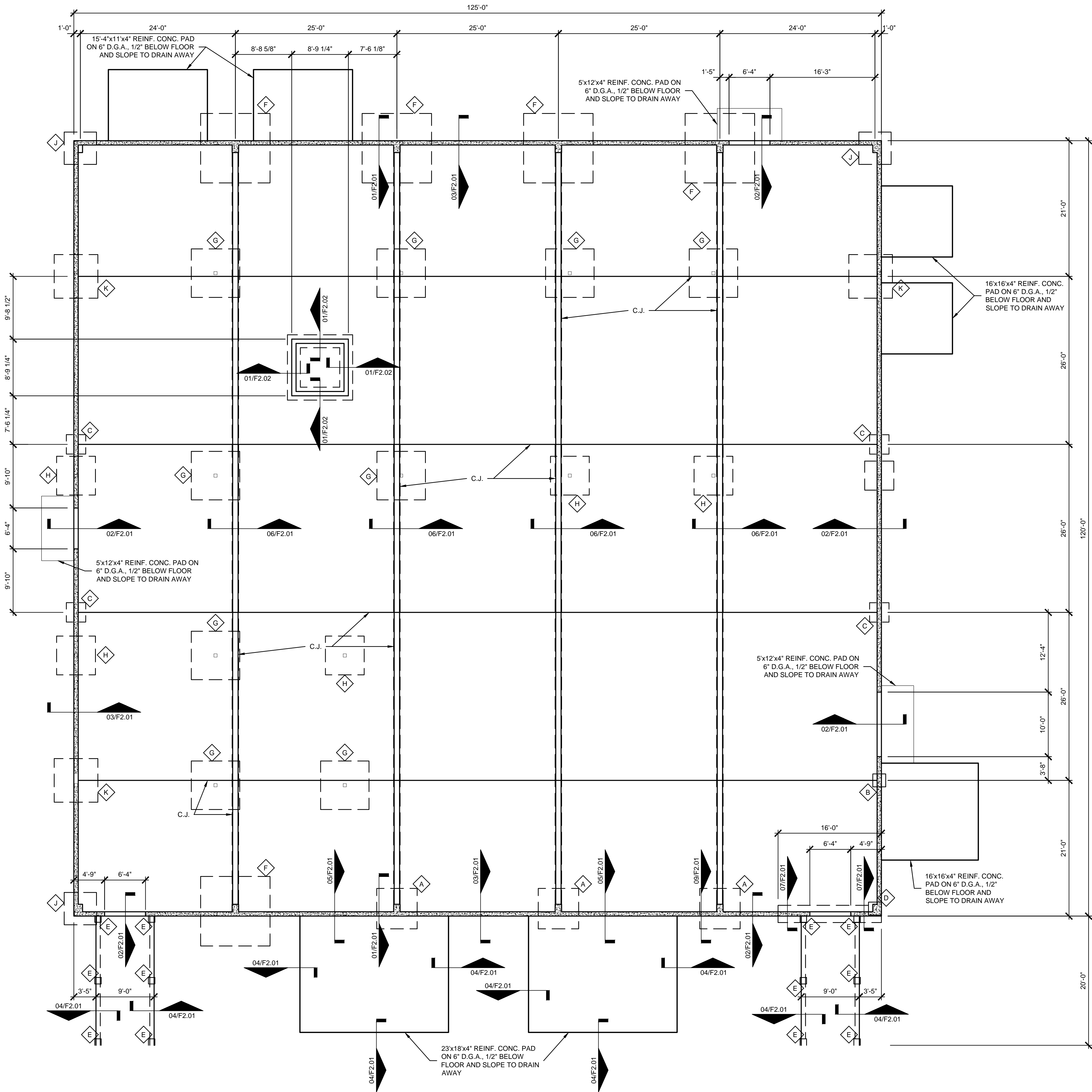
MEP ENGINEER:

E.C. ENGINEERING
P.O. BOX 31
GOSHEN, KY 40025
(502)452-9124
ERNIE CRUSE
ECRUSE@ENGLTG.COM

OWNER:

EVANGEL CHRISTIAN SCHOOL
6900 BILLTOWN RD.
LOUISVILLE, KY 40299
(502)489-2815
RONNIE ROCK
RONNIE.ROCK@EWPC.US

PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: F1.01 Foundation Plan.dwg - DATE: Oct 11, 2024 4:24PM - BY:TY M. MOORE



01 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

FOUNDATION NOTES

- 1) CONCRETE CONTRACTOR MUST VERIFY LOCATION, SIZES AND PLACEMENT OF ANCHOR BOLTS USING BUILDING MANUFACTURER'S DATA. CONTRACTOR MUST VERIFY IN FIELD.
- 2) ALL CONCRETE TO BE 4,000 P.S.I.
- 3) CONTRACTOR TO PROVIDE REINFORCED CONCRETE WORK REQUIRED FOR BRACED BAYS. VERIFY REQUIREMENTS WITH BUILDING MANUFACTURER
- 4) CONTRACTOR TO SUPPLY ARCHITECT WITH BUILDING MANUFACTURER'S STAMPED ENGINEERING DRAWINGS AND BASE REACTIONS BEFORE BEGINNING CONSTRUCTION SO THAT ARCHITECT MAY VERIFY FOUNDATION DESIGN.
- 5) ALL FOOTINGS AND PIERS ARE TO BE CENTERED ON THE BUILDING COLUMNS UNLESS OTHERWISE NOTED.
- 6) COLUMN PIERS ARE TO BE PLACED INTEGRAL WITH THE GRADE BEAM OR FOUNDATION WALLS WITH REINFORCING TO BE CONTINUOUS THROUGH PIERS.
- 7) COLUMN PIERS MUST BE MIN. 12" ANY DIRECTION PLUS 1" PAST MANUF. BASE PLATES. GROUT SOLID BETWEEN PIER AND BASE PLATE. CONTRACTOR MUST COORDINATE WITH BUILDING MANUFACTURER AND VERIFY IN FIELD.
- 8) BUILDING FOUNDATIONS ARE DESIGNED FOR 1,500 P.S.F. SOIL BEARING CAPACITY. VERIFY BEFORE CONSTRUCTION.
- 9) ALL ANCHOR BOLTS TO BE SET BY TEMPLATE MATCHING BUILDING MANUFACTURER'S LAYOUTS.
- 10) NO FIELD ALTERING OF BASE PLATES IS ALLOWED.
- 11) JUNCTURE OF FLOOR SLAB WITH ALL PIERS AND GRADE TO BE 1/2" WIDE EXPANSION JOINT MATERIAL.
- 12) CONTRACTOR TO SET OVERHEAD DOOR JAMB ANCHORS INTO FLOOR SLAB AS REQUIRED BY BUILDING MANUFACTURER.
- 13) FLOOR SLAB TO BE POURED THRU AT ALL DOORWAYS, SLOPE 2% TO OUTSIDE
- 14) BUILDING ANCHOR BOLTS TO BE DIAMETER DESIGNED BY BUILDING MANUFACTURER. LENGTHS TO BE 3" PROJECTION, 15" IMBEDDED W/ 3" HOOK UNLESS OTHERWISE DESIGNED BY MANUFACTURER OR HERE IN.
- 15) FOOTING TO REST ON UNDISTURBED SOIL.
- 16) VERIFY FOUNDATION SIZE AND DEPTH OF EXISTING BUILDING BEFORE CONSTRUCTION. NOTIFY ARCHITECT IF THEY ARE NOT AS SHOWN.

FOOTING SCHEDULE

TYPE	SIZE	REINFORCING	MIN. PIER	DETAILS	REMARKS
A	6'-3" x 6'-3" x 1'-6"	(9) #5 BARS E.W. TOP AND BTM.	12" x 24"	09/F2.01	1
B	2'-9" x 2'-9" x 1'-4"	(4) #5 BARS E.W. BTM.	12" x 24"	01/F2.01	1
C	3'-0" x 3'-0" x 1'-4"	(4) #5 BARS E.W. BTM.	12" x 24"	01/F2.01	1
D	2'-0" x 2'-0" x 1'-4"	(3) #5 BARS E.W. BTM.	12" x 24"	01/F2.01	1
E	1'-6" x 1'-6" x 1'-4"	(3) #5 BARS E.W. BTM.	12" x 24"	08/F2.01	1
F	10'-9" x 10'-9" x 1'-6"	(16) #5 BARS E.W. TOP AND BTM.			
G	7'-6" x 7'-6" x 1'-6"	(11) #5 BARS E.W. TOP AND BTM.			
H	6'-0" x 6'-0" x 1'-6"	(9) #5 BARS E.W. TOP AND BTM.			
I	4'-6" x 4'-6" x 1'-4"	(7) #5 BARS E.W. BTM.			
J	5'-0" x 5'-0" x 1'-6"	(8) #5 BARS E.W. TOP AND BTM.			
K	6'-9" x 6'-9" x 1'-6"	(10) #5 BARS E.W. TOP AND BTM.			

REMARKS

1. PIER AND FOUNDATION WITH WALL CURB.

NOTE: GENERAL CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL SUB TRADES AND REQUIREMENTS BY OWNER

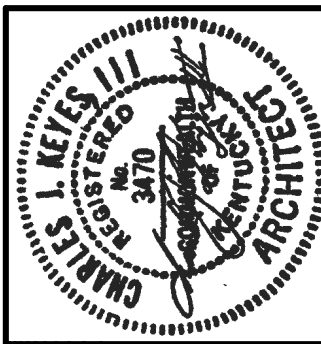
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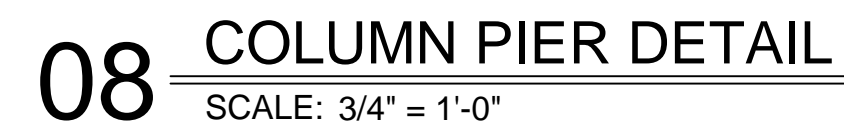


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LOUISVILLE, KY 40289

FOUNDATION PLAN

F1.01



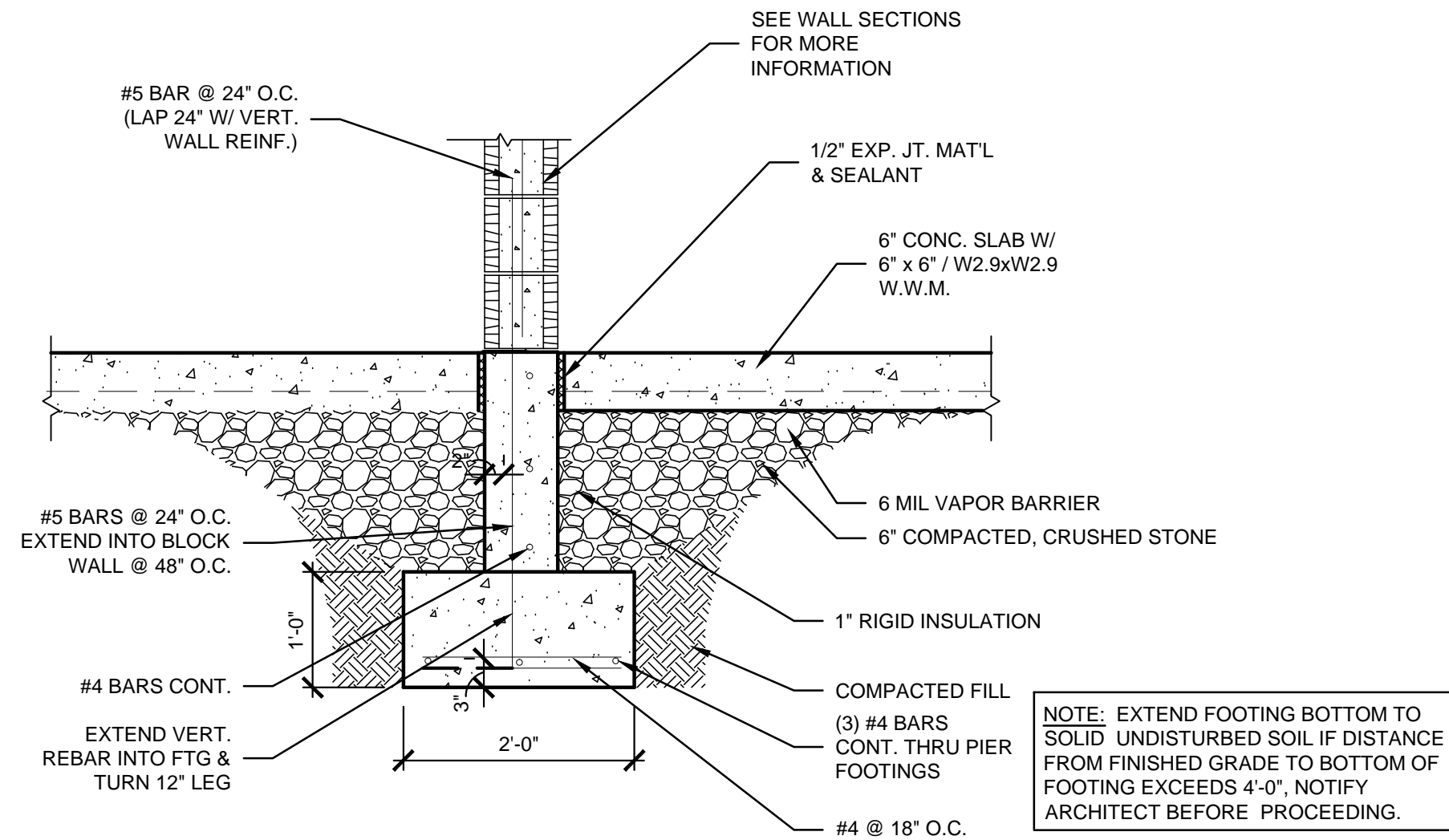
FOUNDATION DETAILS

F2.01

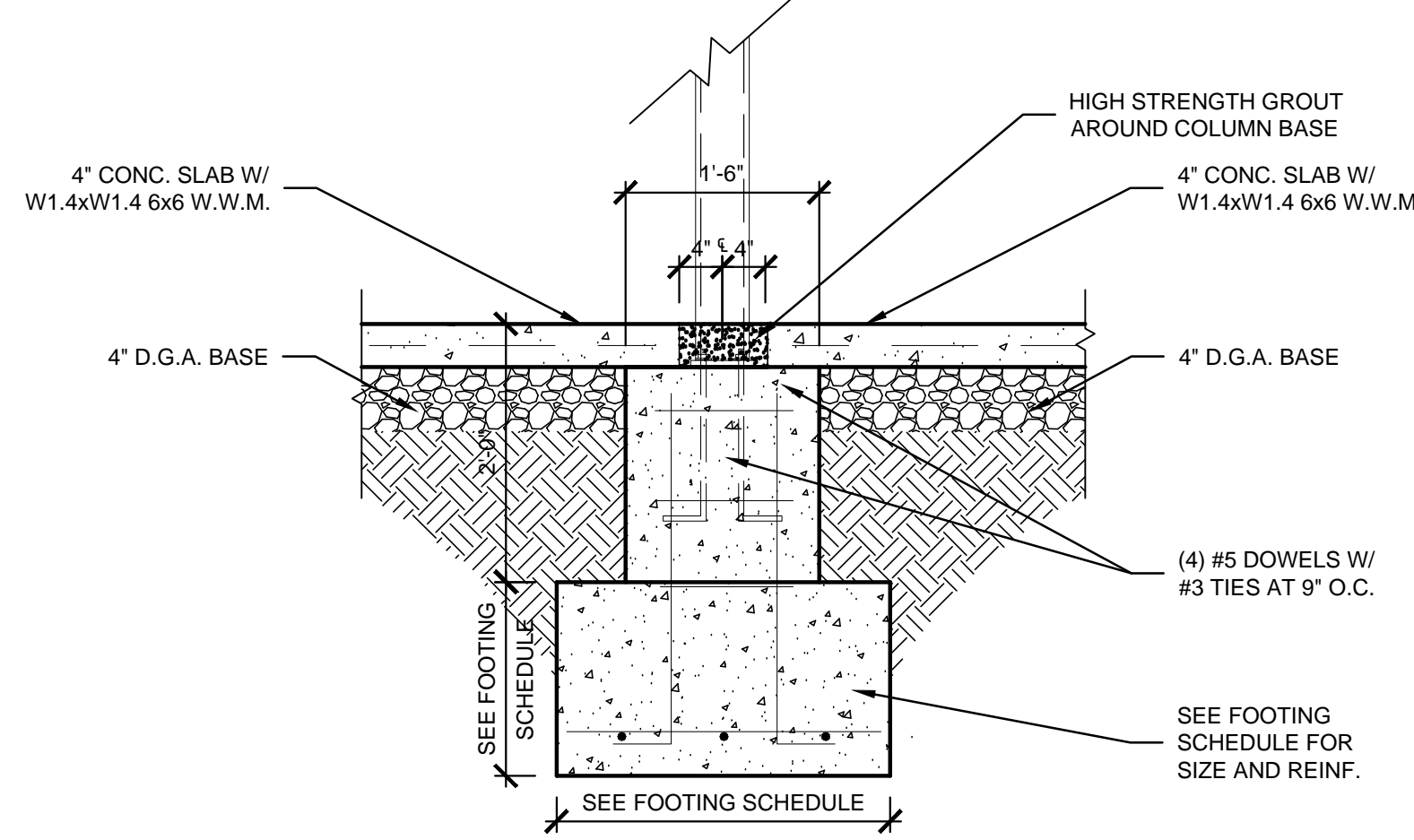
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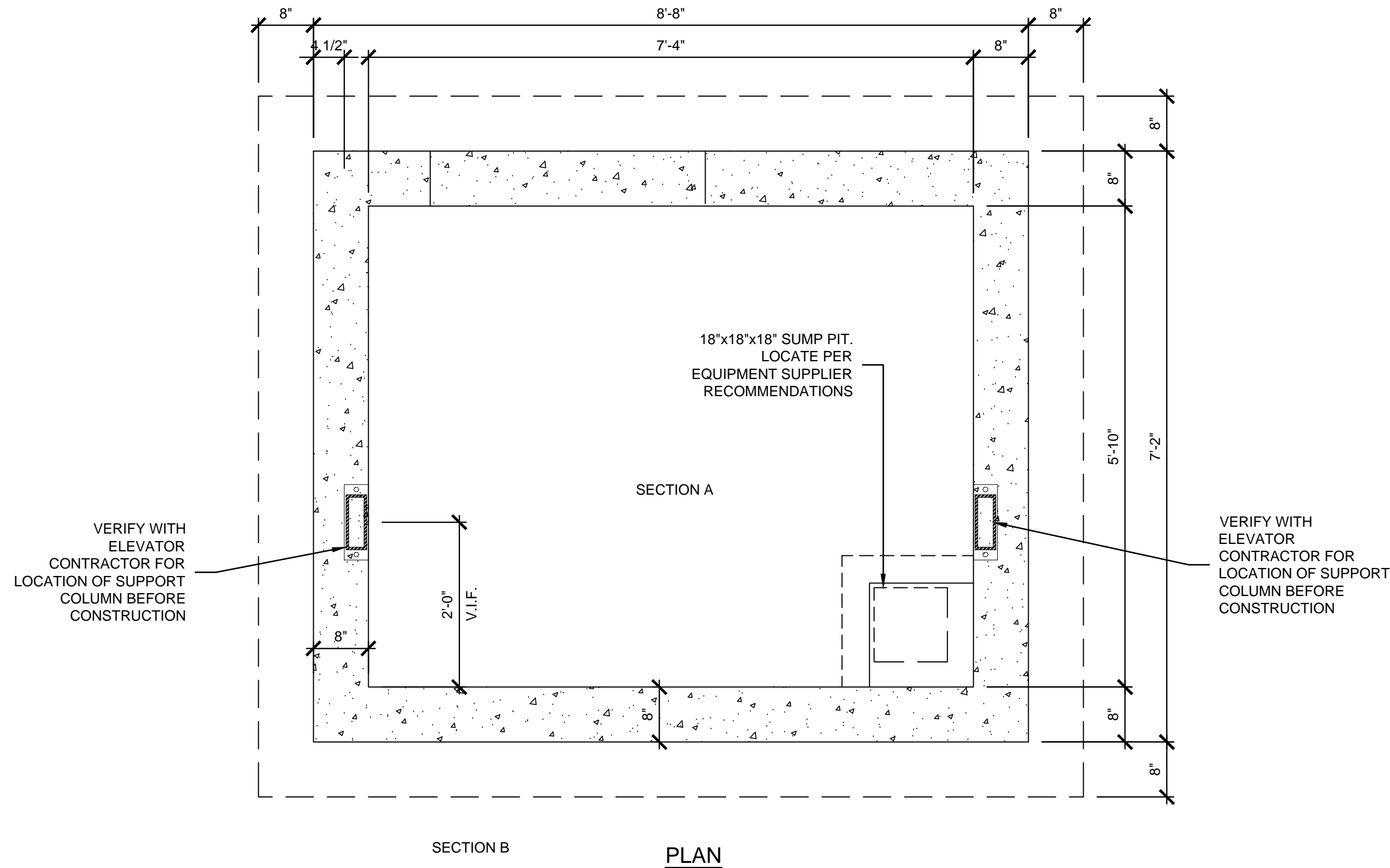
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01 8" CMU ELEVATOR WALL FOOTING
SCALE: 3/4" = 1'-0"



02 COLUMN PIER DETAIL
SCALE: 3/4" = 1'-0"



03 ELEVATOR PIT FOUNDATION PLAN
SCALE: 3/4" = 1'-0"



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6900 BILLTOWN RD.
LOUISVILLE, KY 40239

PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: LS1.01 Life Safety Plan.dwg - DATE: Oct 11, 2024 4:24PM - BY:TY M. MOORE

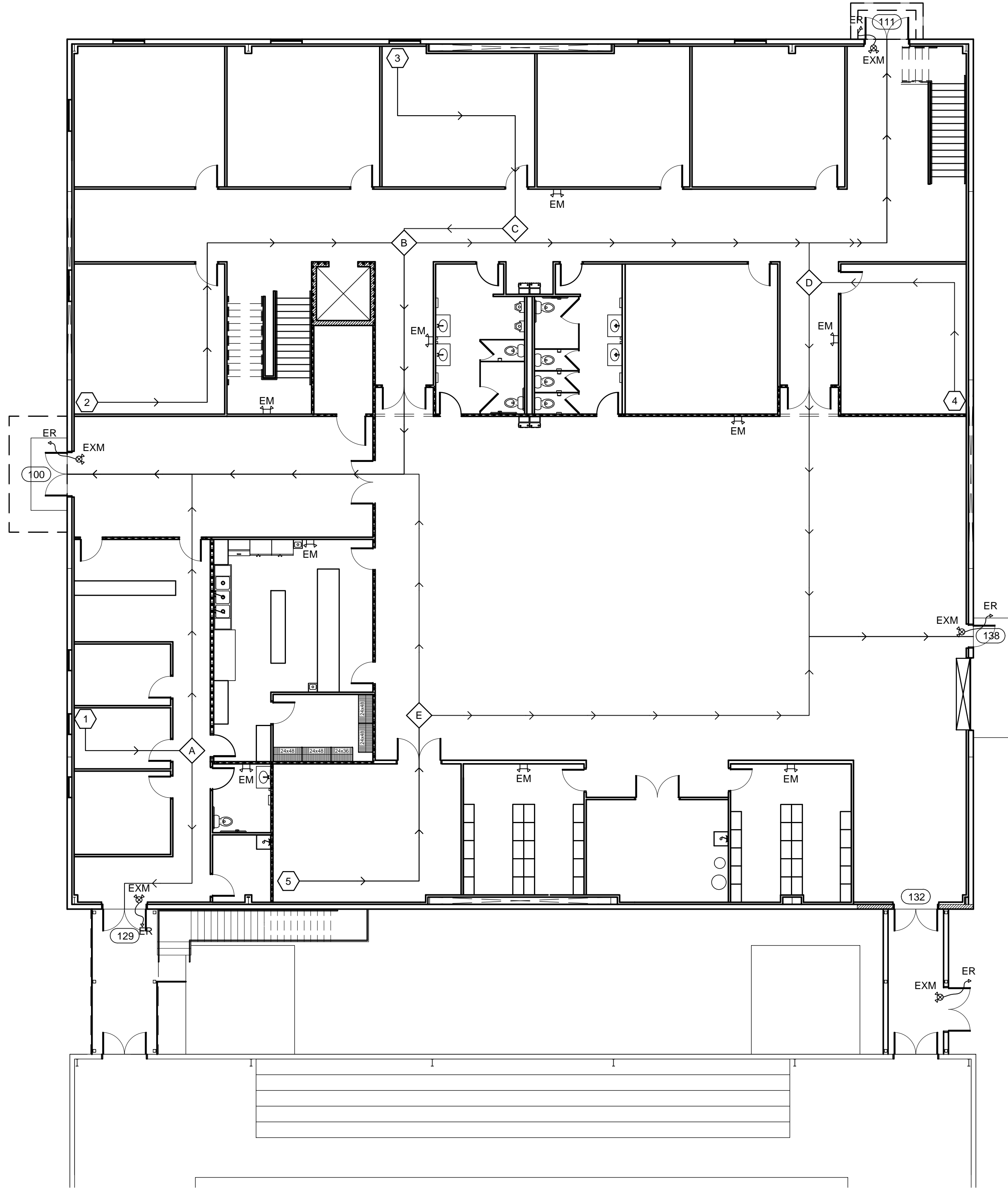
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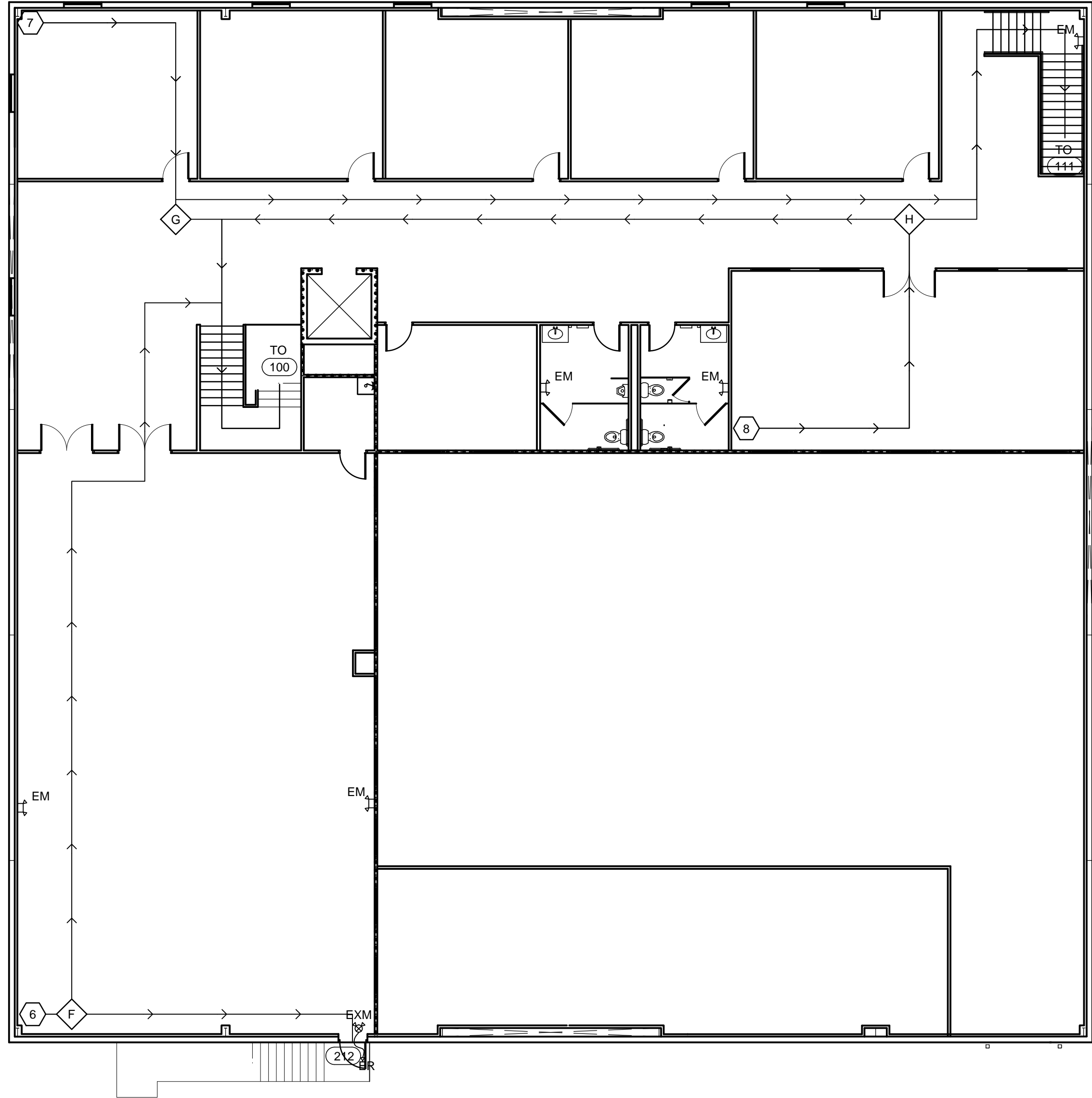
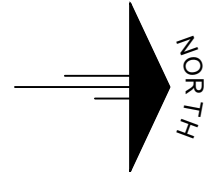
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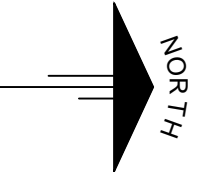
LIFE SAFETY PLAN
LS1.01



01 LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"



02 SECOND FLOOR LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"



LIFE SAFETY PATHWAYS

LOCATION		COMMON PATH	TOTAL TRAVEL DISTANCE					
			DOOR NUMBER					
1	A	17'-9"	73'-1"	-	48'-11"	-	-	-
2	B	64'-2"	142'-8"	158'-11"	-	-	-	-
3	D	38'-5"	134'-1"	119'-9"	-	-	-	-
4	E	35'-0"	-	79'-4"	-	106'-6"	-	-
5	C	39'-4"	121'-2"	-	-	126'-8"	-	-
6	F	0'-0"	238'-3"	-	-	-	38'-7"	-
7	G	35'-8"	188'-9"	203'-4"	-	-	-	-
8	I	41'-4"	266'-3"	126'-9"	-	-	-	-

PATHWAY KEY PLAN:

→	: TRAVEL PATH W/ DIRECTION OF FLOW
⬡	: TRAVEL PATH STARTING LOCATION, WHERE "⬡" = LOCATION COLUMN IN THIS TABLE.
⬢	: COMMON PATH LOCATION, WHERE "⬢" = LOCATION COLUMN IN THIS TABLE.
⬢	: EXIT DOOR LOCATION, WHERE "⬢" = DOOR IN THIS TABLE AND IN DOOR FINISH SCHEDULE.

CODE ANALYSIS

CATEGORY	CODE REFERENCE	REQUIREMENT/DESIGNATION	PROVIDED
CONSTRUCTION TYPE	TABLE 506.2	II-B	II-B
OCCUPANCY GROUPS	TABLE 304.1	B- BUSINESS, E- EDUCATIONAL, A- ASSEMBLY	B- BUSINESS
OCCUPANCY LOAD	TABLE 1004.1.2	B: 100 GROSS E: 20 NET A-2: 15 NET TOTAL OCCUPANTS	B: 935/100= 10 E: 6242/20= 313 A-2: 3800/15= 253, 2795/7= 399 4253= 652 975 TOTAL OCCUPANTS
ALLOWABLE AREA	TABLE 506.2	B, S1, II-B, ALLOWABLE AREA: 92,000 E, S1, II-B, ALLOWABLE AREA: 58,000 A-2, S1, II-B, ALLOWABLE AREA: 38,000	B: 935 S.F. E: 6,242 S.F. A-2: 6,595 S.F. TOTAL:13,772 S.F.
EXIT CALCULATIONS	SECTION 1006.3.2	COMMON PATH OF EGRESS TRAVEL GROUP	75 FT
	SECTION 1017 TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE	250 FT
NON-SEPERATED OCCUPANCIES	TABLE 508.4	SEPARATION BETWEEN B & E,A OCCUPANCIES	SEPARATION BETWEEN B & E,A OCCUPANCIES, SPRINKLED: 1 HOUR

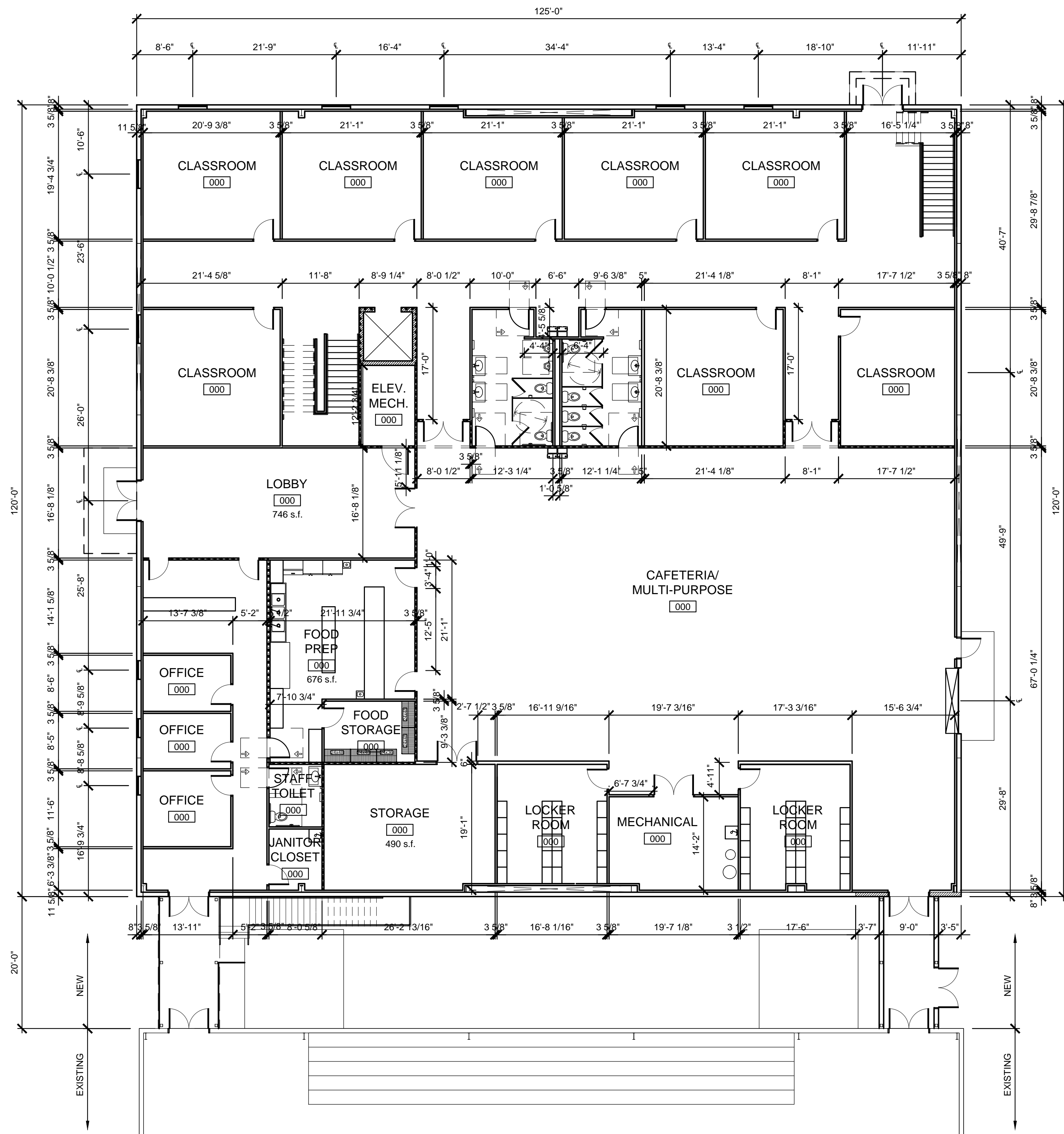
EMERGENCY LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MODEL#	BULBS
ER ▽	EMERGENCY REMOTE HEAD	LITHONIA #ELA-NX-H0606	INCLUDED
EM ⬢	EMERGENCY LIGHT W/ BATTERY PACK REMOTE HEAD WHERE SHOWN	LITHONIA #6ELM2P	INCLUDED
EXM ⊗	COMBINATION EXIT/EMERGENCY FIXTURE W/ BATTERY PACK	LITHONIA #LHQM-S-W-1-R-120/277-HO	INCLUDED

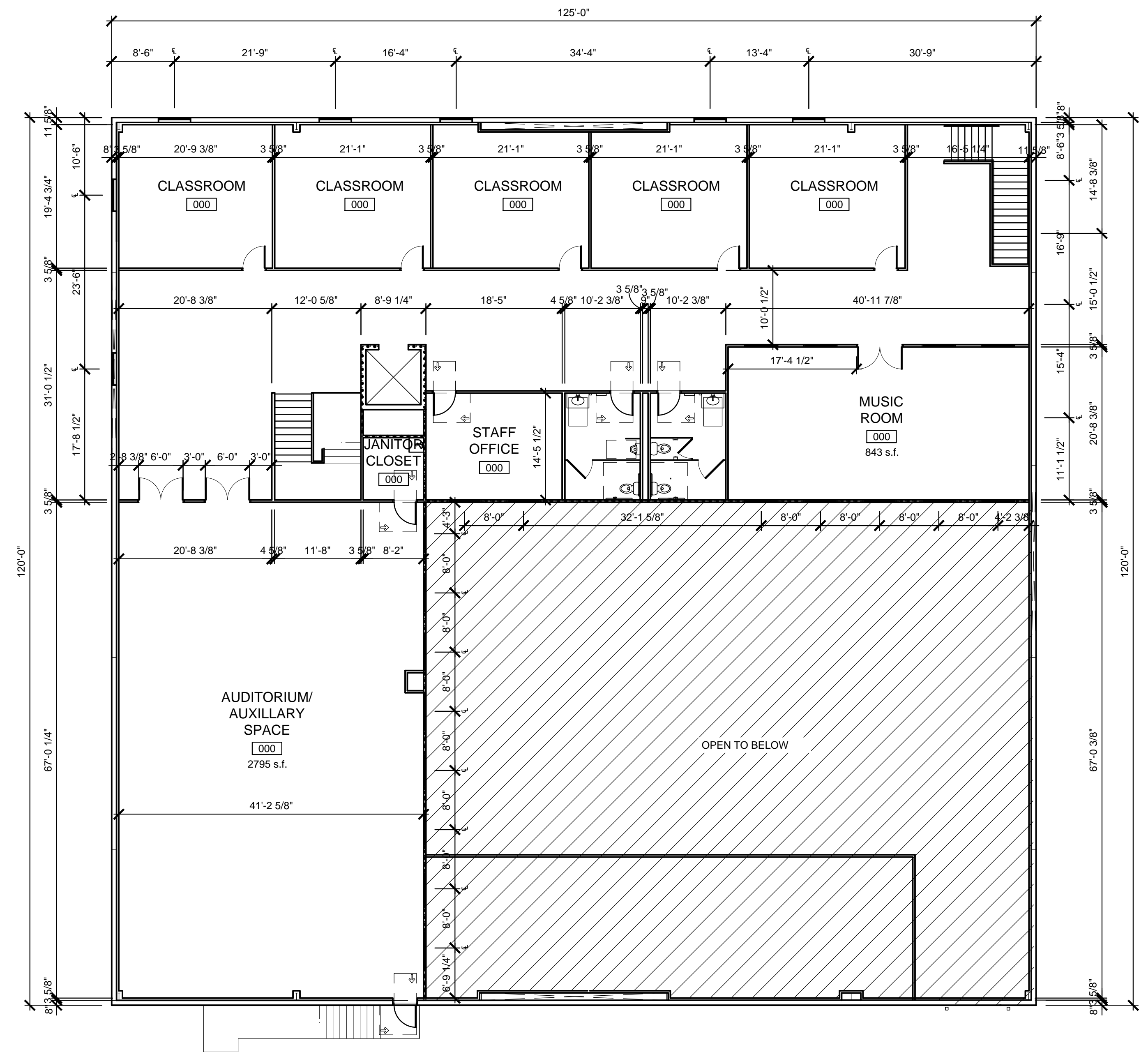
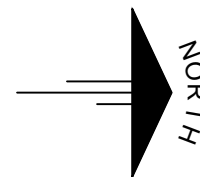
NOTE: EXIT EMERGENCY LIGHTING IS ON AN "NL" CIRCUIT

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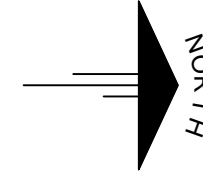
PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: A1.01 Floor Dimension Plans.dwg - DATE: Oct 11, 2024 4:25PM - BY:TY M. MOORE



01 FIRST FLOOR DIMENSION PLAN
SCALE: 3/32" = 1'-0"



02 SECOND FLOOR DIMENSION PLAN
SCALE: 3/32" = 1'-0"



NOTE: ALL DIMENSIONS ARE TO FACE OF STUD

NOTE: GENERAL CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL SUB TRADES AND REQUIREMENTS BY OWNER

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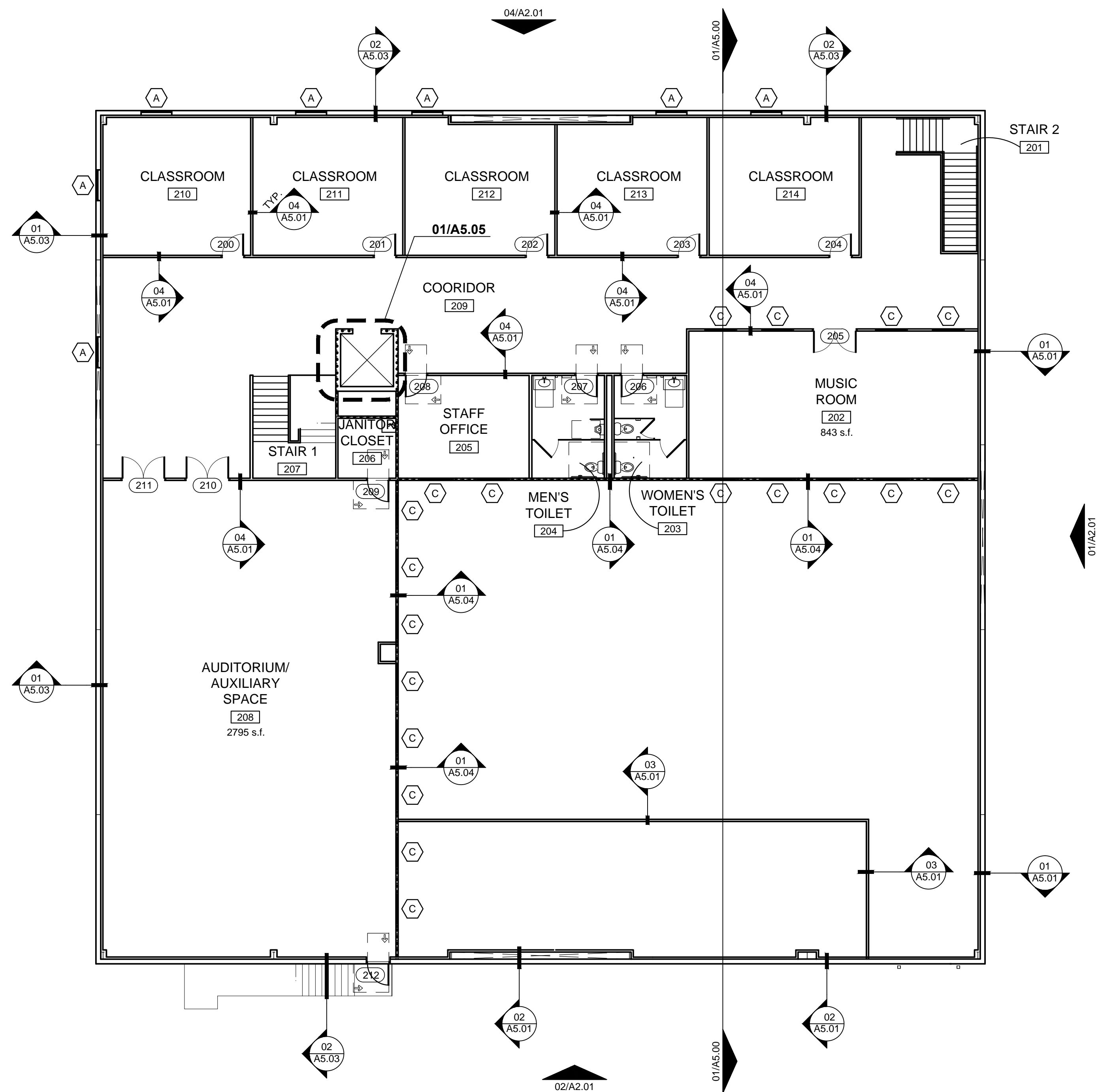


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LOUISVILLE, KY 40289

FLOOR DIMENSION PLANS

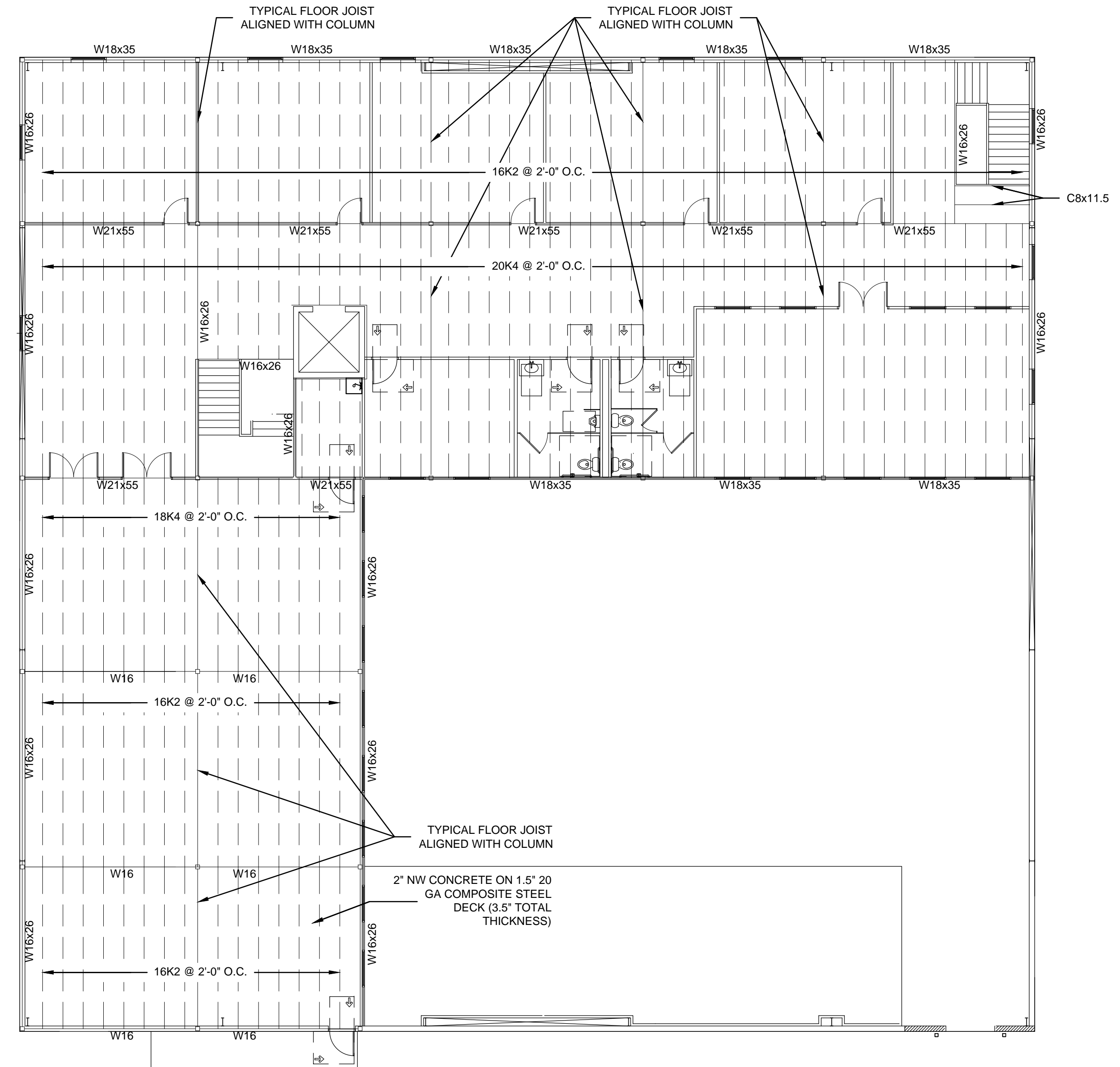
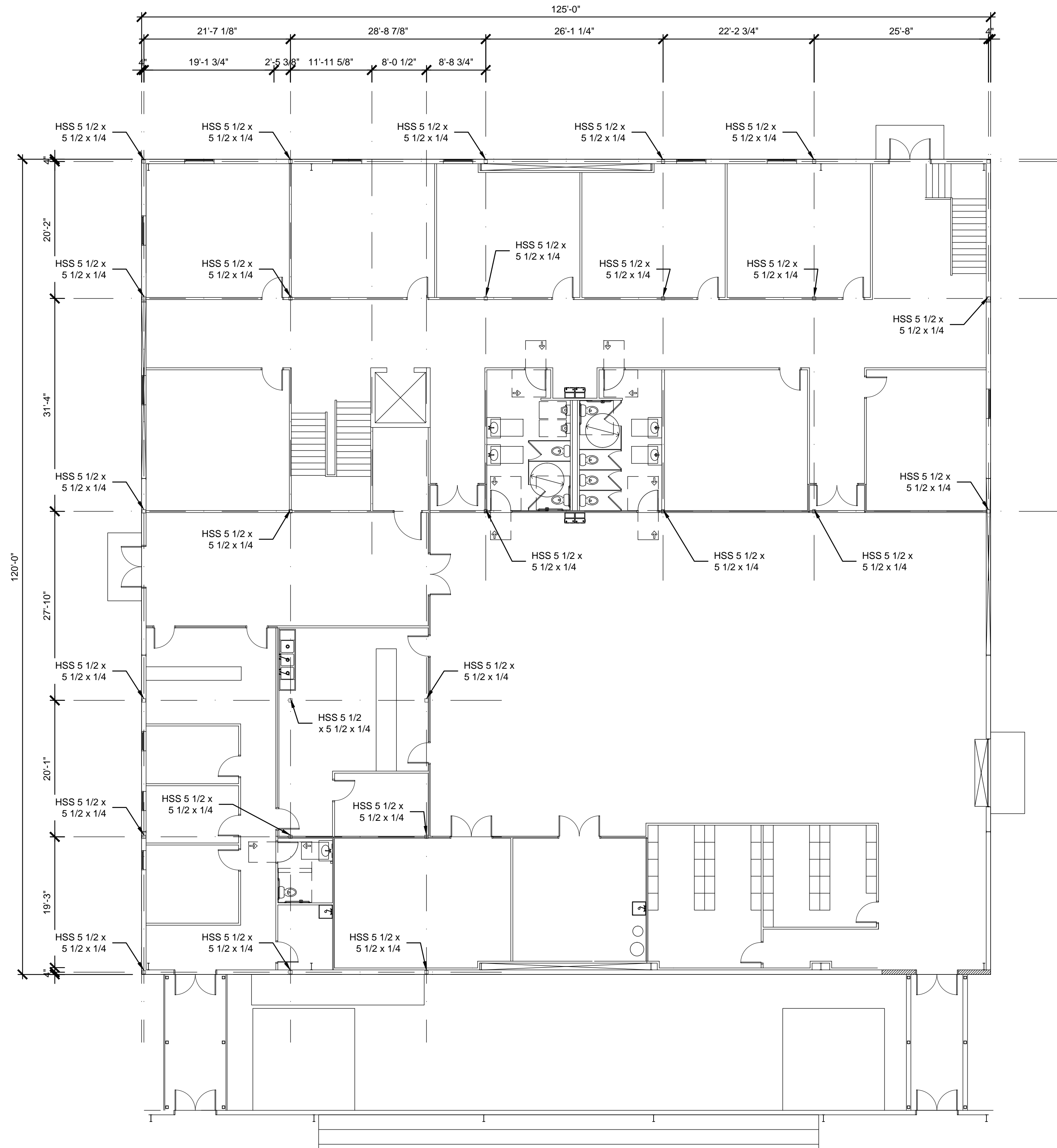
A1.01



01 SECOND FLOOR PLAN - INFO

SCALE: 3/32" = 1'-0"

PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: A1.03 Second Floor Structural Plan.dwg - DATE: Oct 11, 2024 4:25PM - BY: TY M. MOORE



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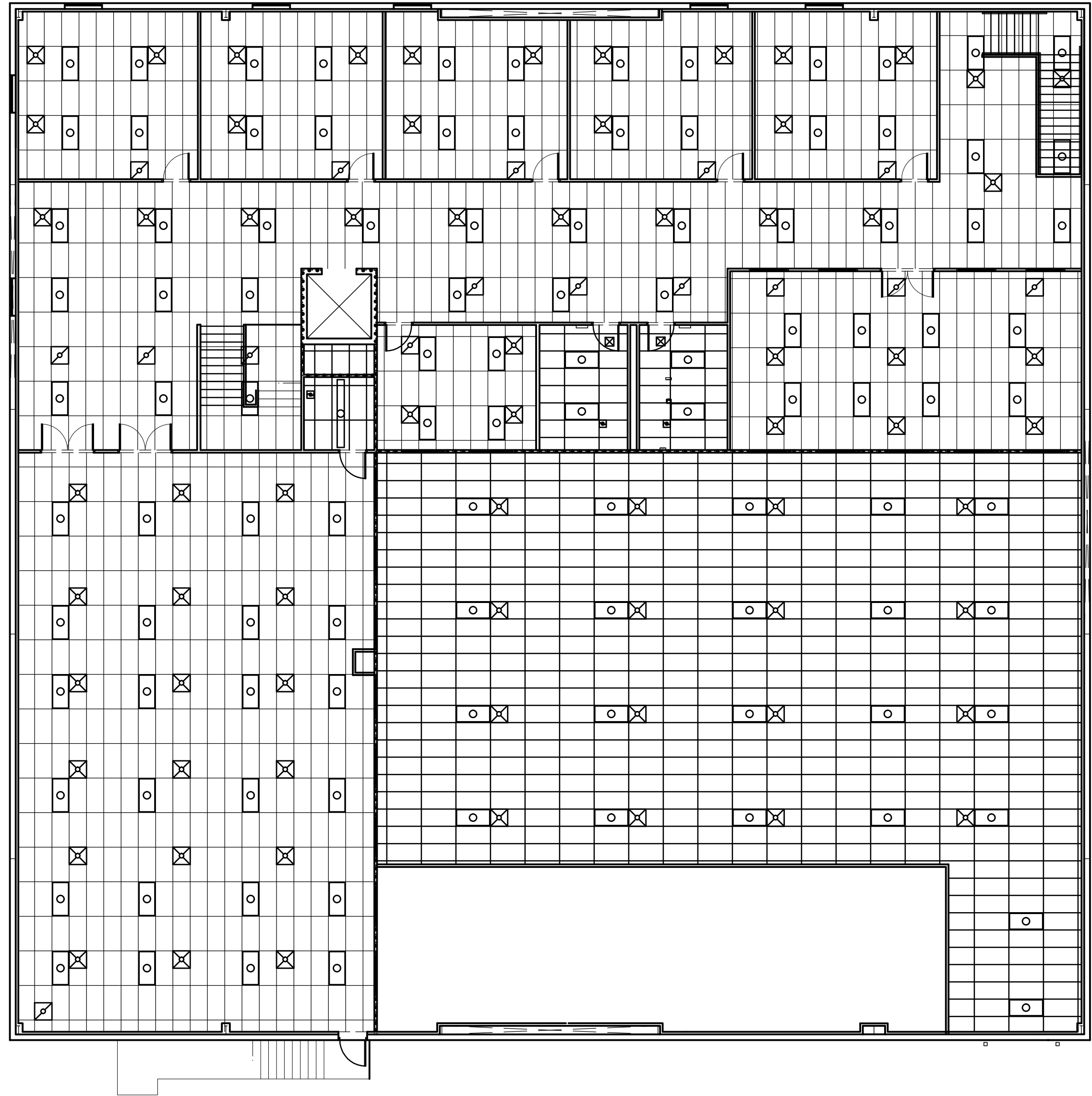
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SECOND FLOOR
STRUCTURAL PLAN
A1.03



01 FIRST FLOOR CEILING PLAN
SCALE: 3/32" = 1'-0"

NOTE:
VERIFY THE LOCATION OFF ALL HVAC
FIXTURES WITH SHEET M1.01 AND ALL LIGHTS
WITH E1.01. SEE SHEETS M1.01 & E1.01 FOR
MORE INFORMATION.



02 SECOND FLOOR CEILING PLAN
SCALE: 3/32" = 1'-0"

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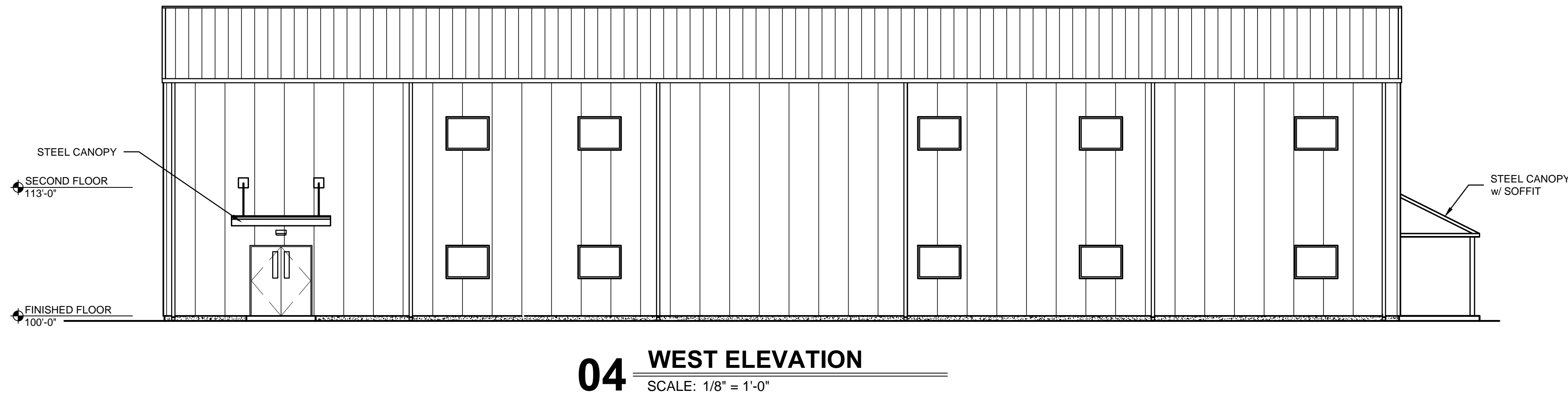
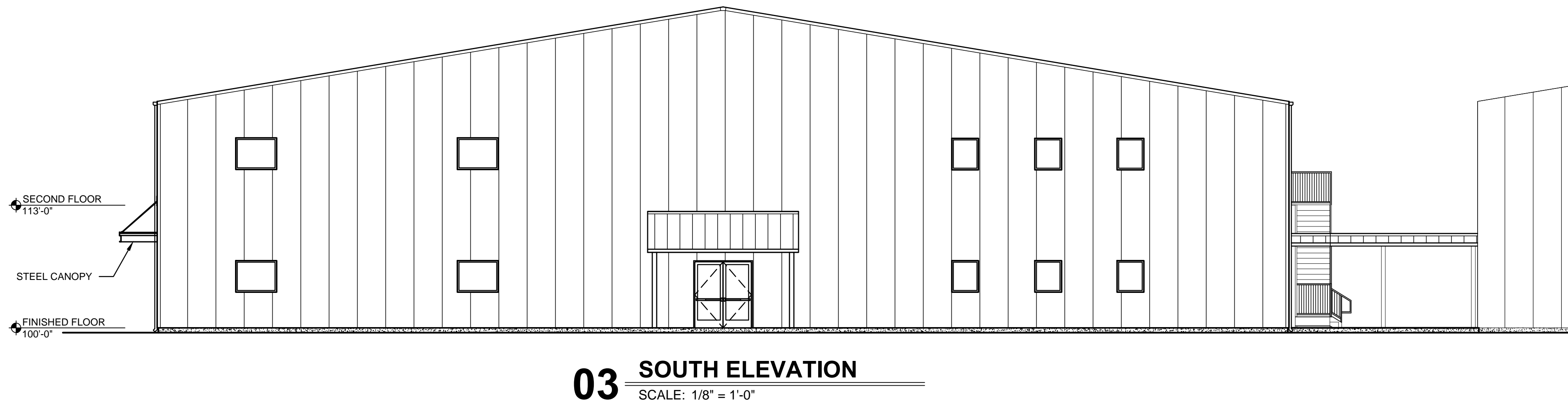
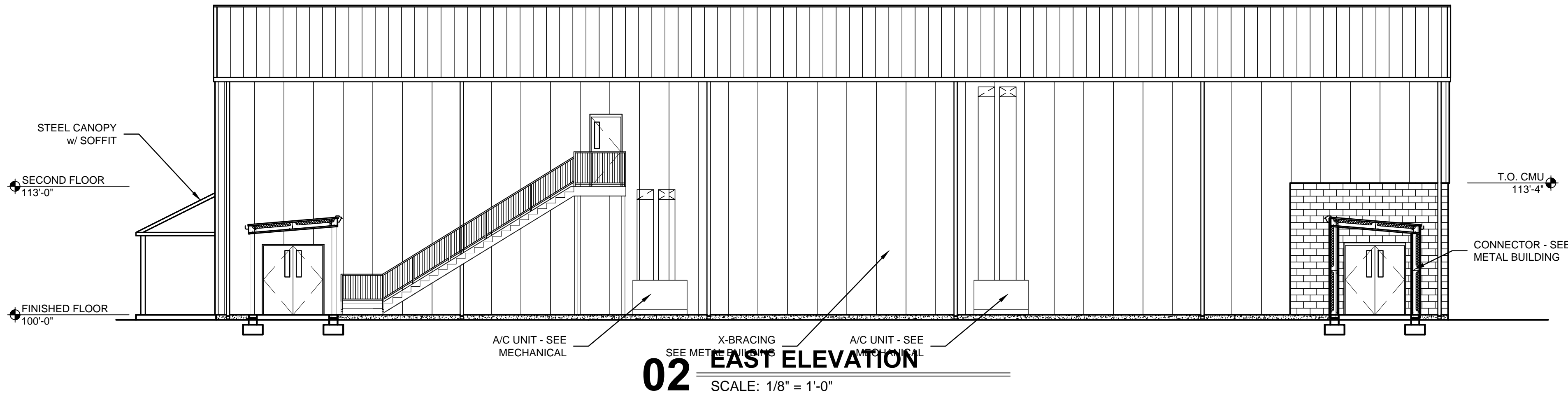
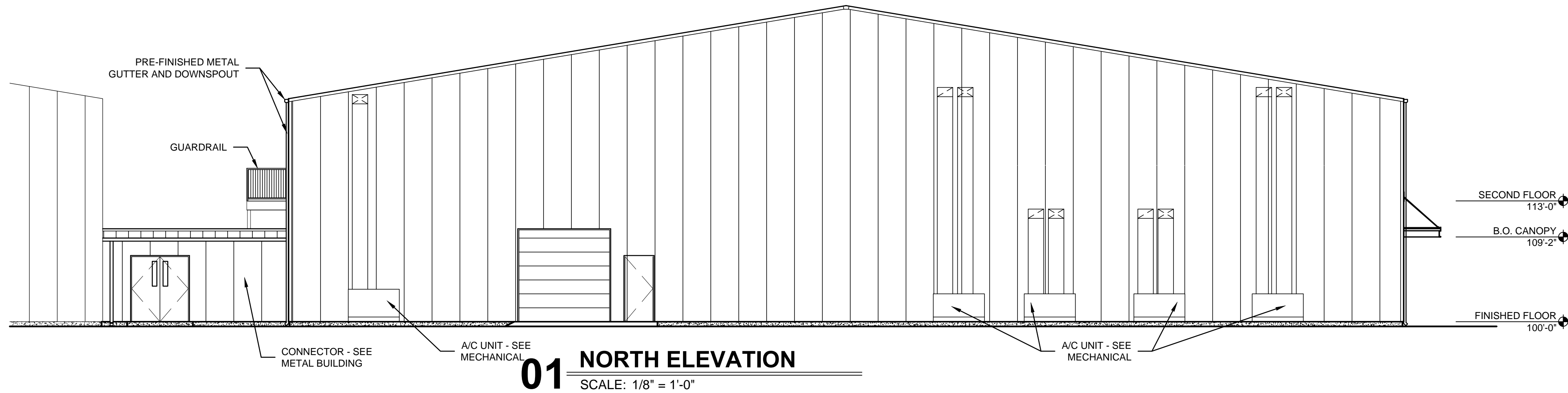
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REFLECTED CEILING
PLAN
A1.05

PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: A2.01 Exterior Elevations.dwg - DATE: Oct 11, 2024 4:25PM - BY: TY M. MOORE



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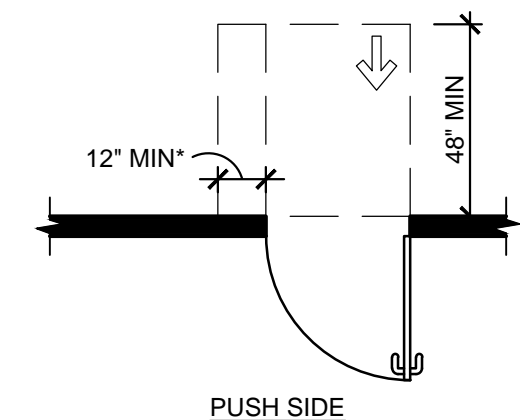
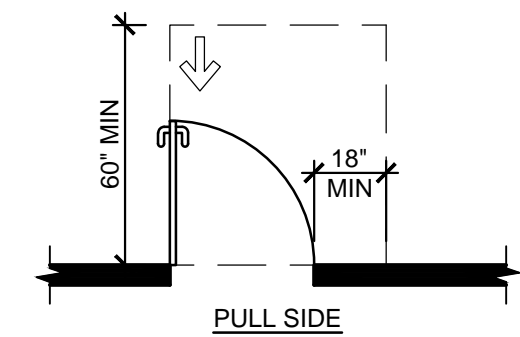
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EXTERIOR ELEVATIONS

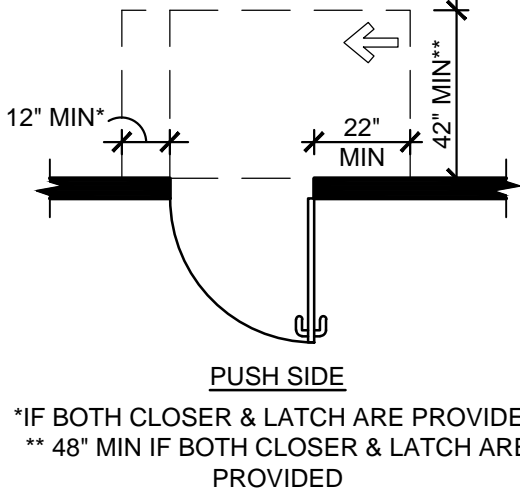
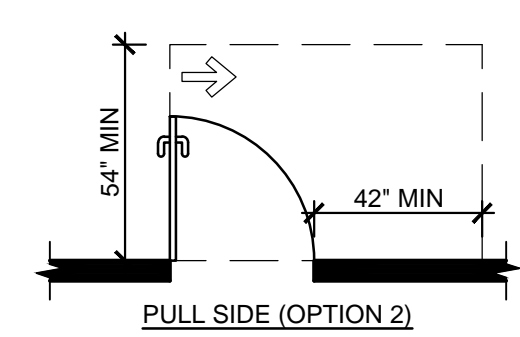
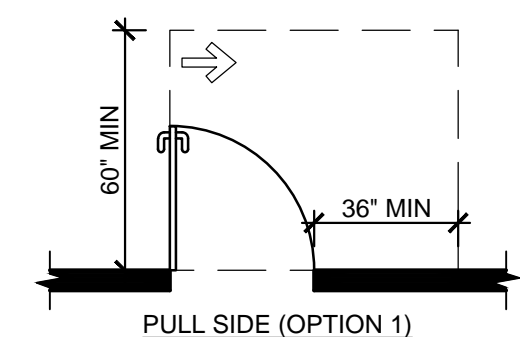
A2.01

REQUIRED DOOR ACCESSIBLE CLEAR FLOOR SPACE

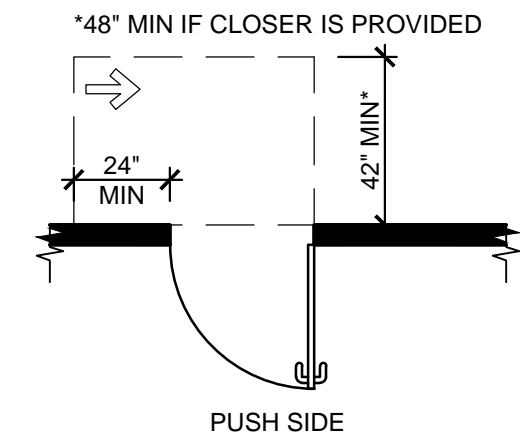
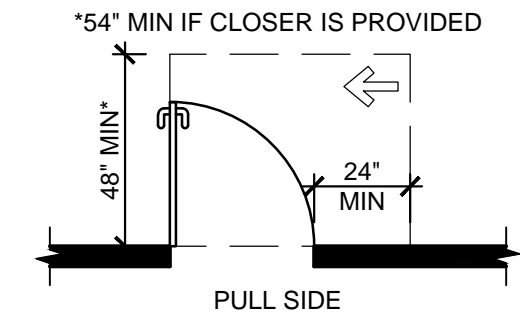
FRONT APPROACH



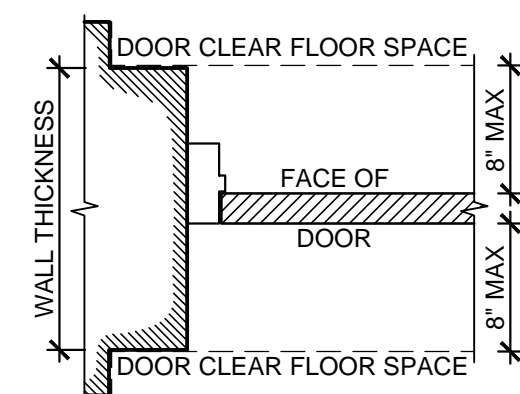
HINGE APPROACH



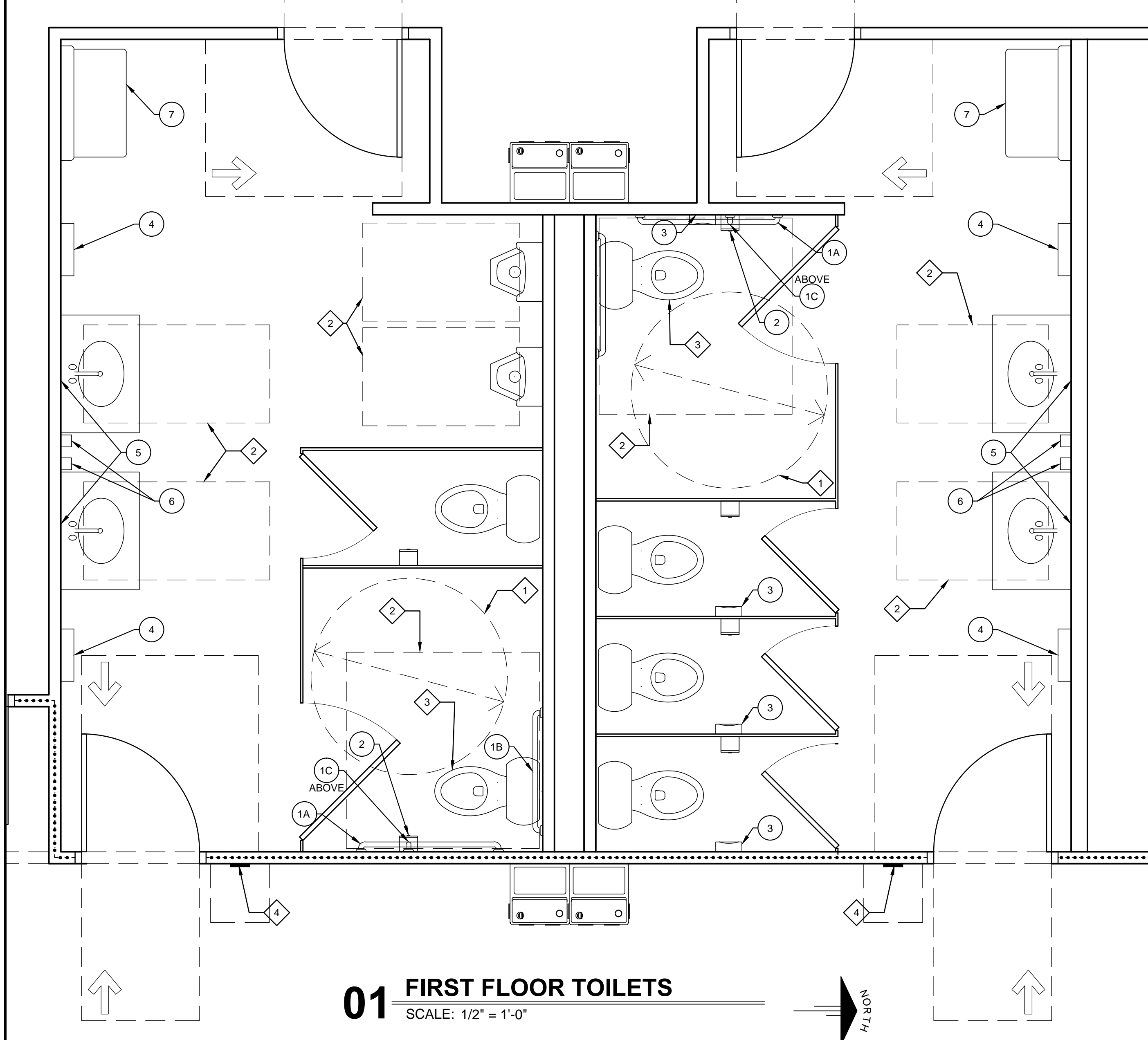
LATCH APPROACH



!! IMPORTANT INSTALLATION NOTE !!



IF WALL THICKNESS EXCEEDS MAX OFFSET THEN WALL THICKNESS TO BE REDUCED FOR LENGTH OF FLOOR CLEARANCE SPACE



01 FIRST FLOOR TOILETS

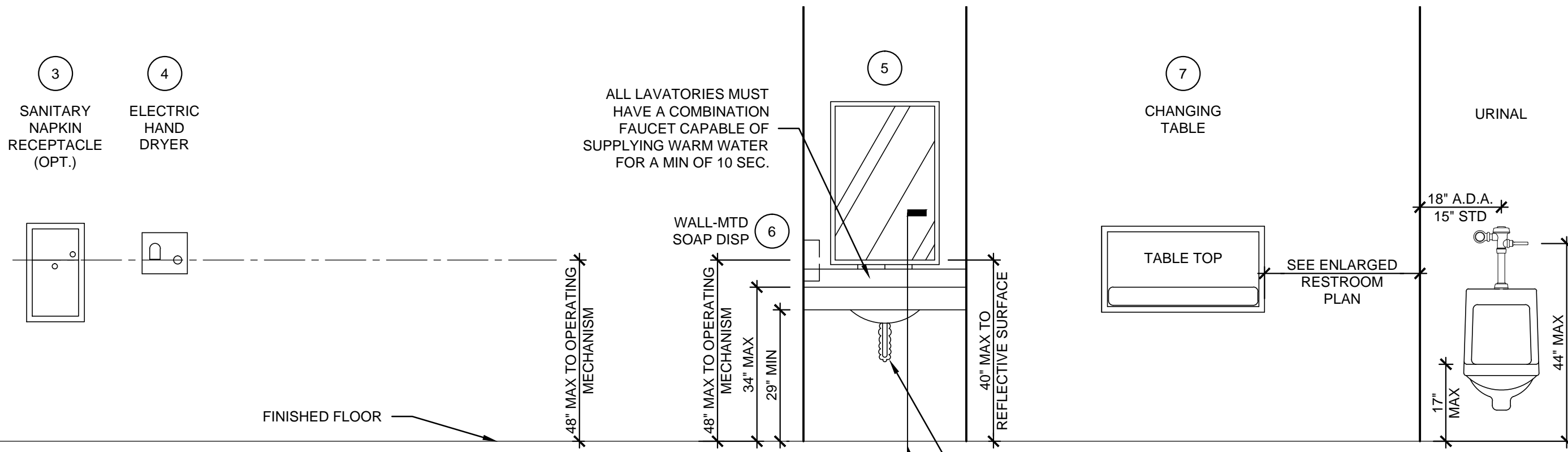
SCALE: 1/2" = 1'-0"

RESTROOM ACCESSORIES SCHEDULE				
	ITEM (SEE NOTE 2)	MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
1A	GRAB BAR 42"	SEE SPECS.		
1B	GRAB BAR 36"	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
1C	GRAB BAR 24" (18" MIN)	SEE SPECS.		
2	TOILET TISSUE DISPENSER, DOUBLE, SURFACE MOUNTED (SEE NOTE 4)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
3	SANITARY NAPKIN RECEPTACLE (OPTIONAL)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS

	ITEM (SEE NOTE 2)	MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
4	HAND DRYER, RECESSED, ADA, WHITE-OTHER COLORS AT ADDITIONAL COST	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
5	MIRROR, CHANNEL FRAME	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
6	SOAP DISPENSER, WALL-MOUNTED	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS

NOTES:

- SEE BELOW FOR ACCESSORY MOUNTING HEIGHTS
- SELECT ONE ITEM FROM ITEM GROUPS 4 & 6, VERIFY WITH OWNER.
- CUT BACK-UP SUPPORTS BETWEEN STUDS SO FACE OF SUPPORT IS FLUSH WITH WALL STUD
- HATCHED AREA SHOWN FOR MOUNTING LOCATION
- 48" MAX TO TOP OF COAT HOOK



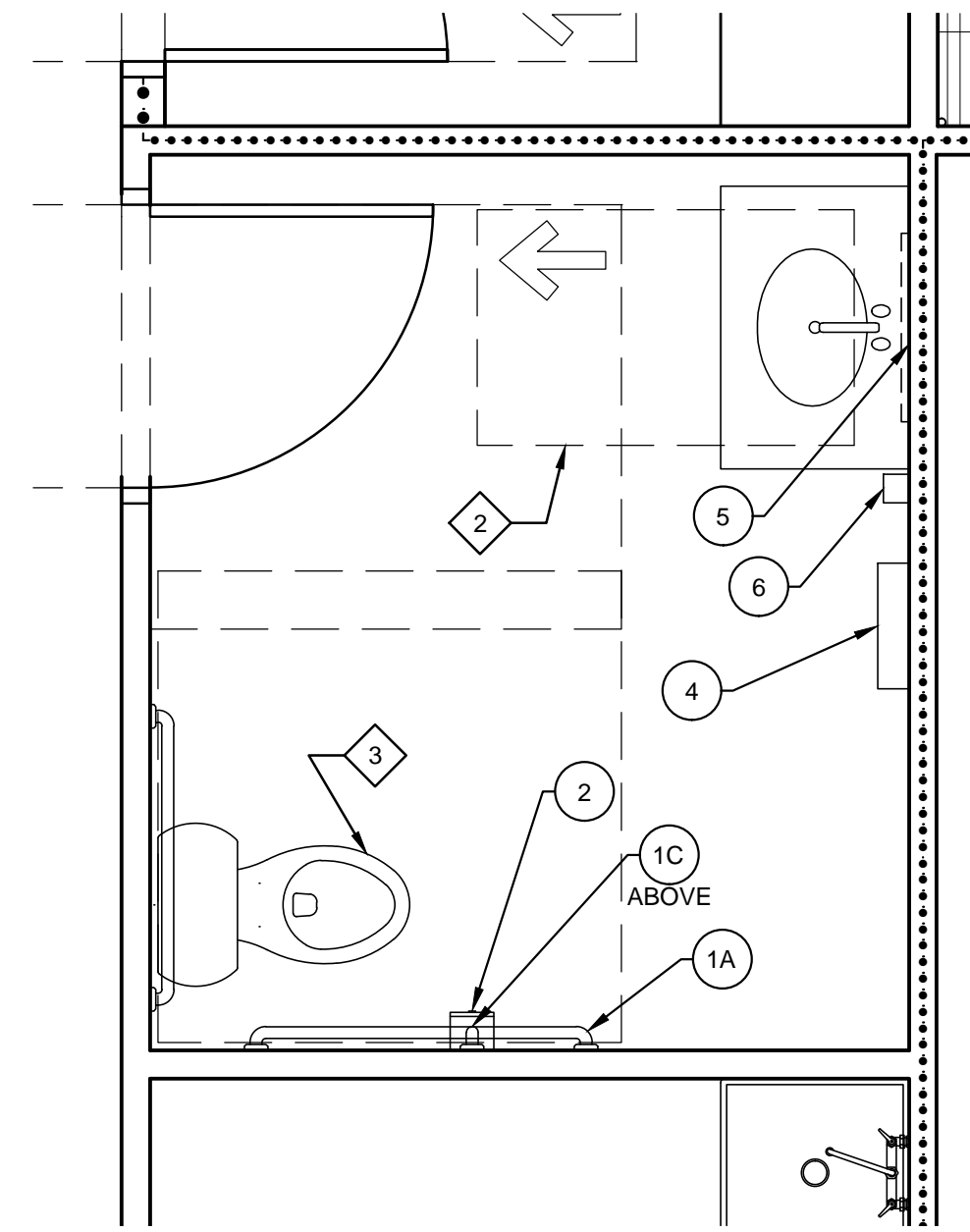
03 TYPICAL ACCESSIBLE RESTROOM DETAILS

SCALE: 1/2" = 1'-0"

REQUIRED ACCESSIBLE CLEAR FLOOR SPACE

TYPICAL CLEAR FLOOR SPACES

1	TURNAROUND / TURNING CIRCLE: 60" DIAMETER CLEAR FLOOR SPACE (TYP.)
2	EQUIPMENT / FIXTURE: 30"x48" CLEAR FLOOR SPACE
3	TOILET IN TOILET PARTITION ROOM WITH 9" TOE CLEARANCE: 60"x60" CLEAR FLOOR SPACE
4	ACCESSIBLE SIGNAGE - SEE DETAIL 04/A3.01 FOR MORE INFORMATION

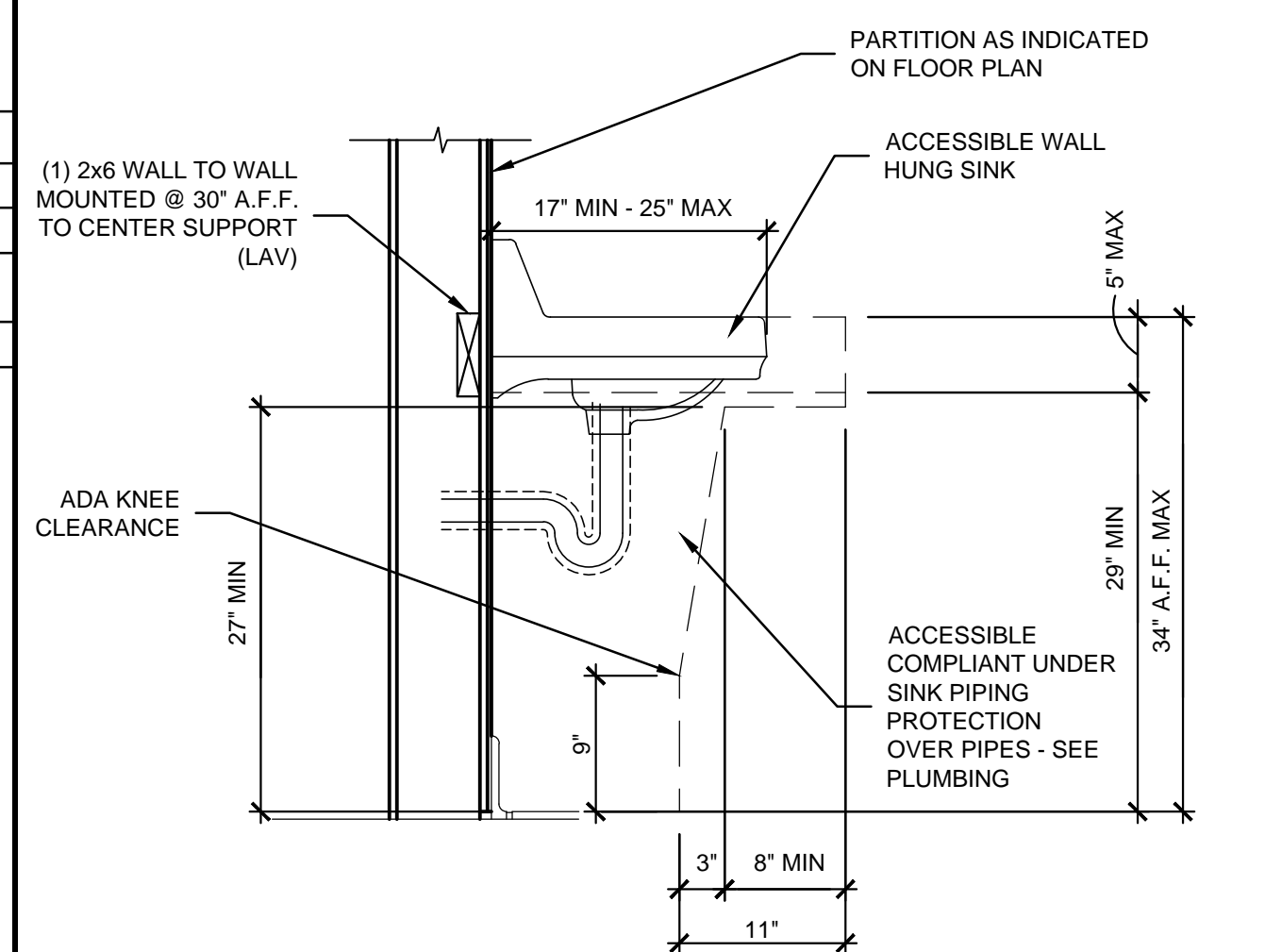


02 STAFF TOILET

SCALE: 1/2" = 1'-0"

MEETS THE STRICTEST INTERPRETATION OF BOTH THE ANSI 117.1 AND 2010 FEDERAL ADA STANDARDS FOR ACCESSIBLE DESIGN

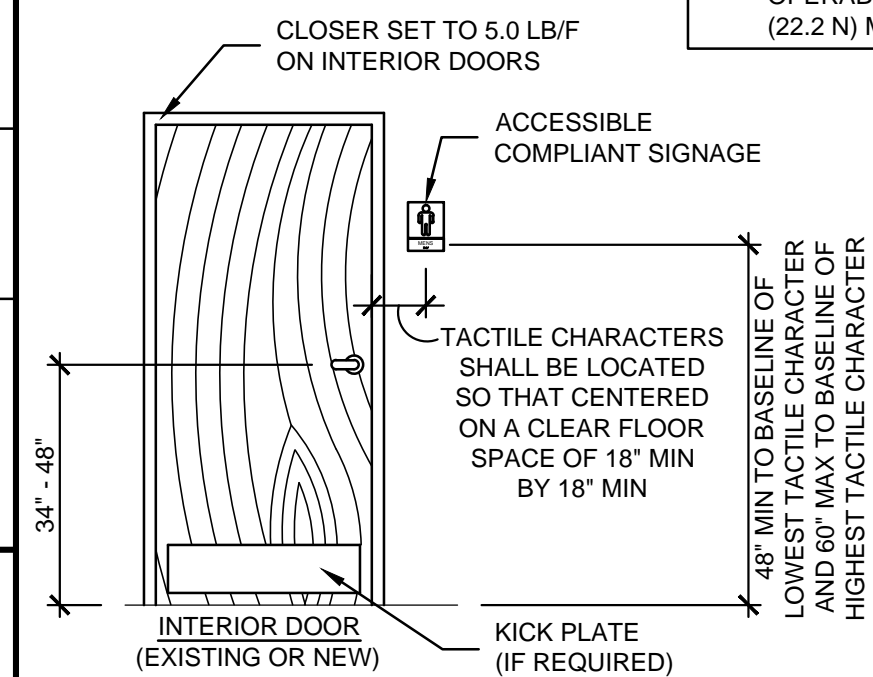
NOTE:
NOT ALL ITEMS LISTED ON THIS SHEET WILL APPLY TO THIS PROJECT. IF THERE ARE ANY QUESTIONS OR COMMENTS CONTACT KEYES ARCHITECTS AND ASSOCIATES.



04 LAVATORY DETAIL

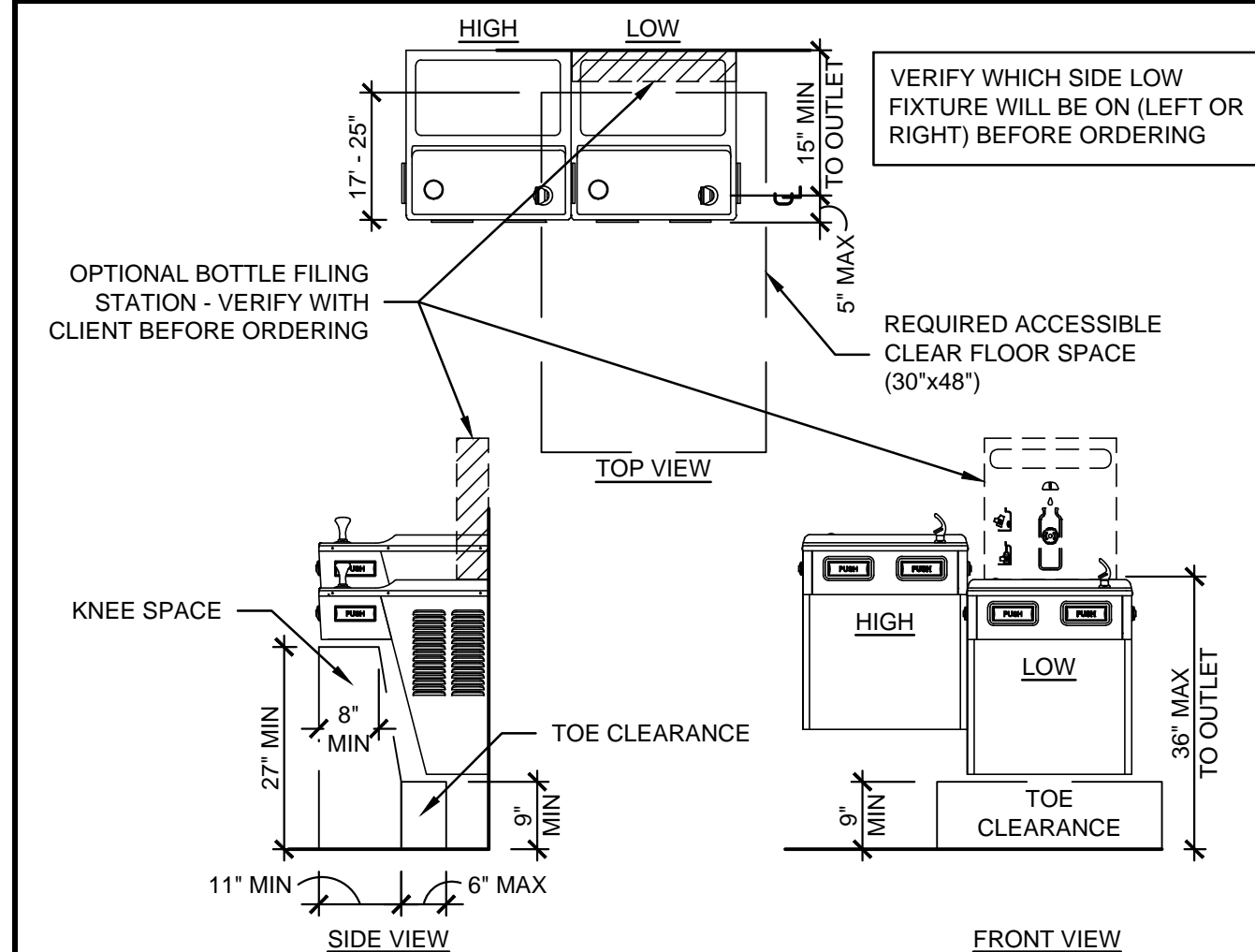
SCALE: 1" = 1'-0"

- GENERAL NOTES:**
- OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
 - THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAXIMUM.



05 DOOR SIGN / DOOR DETAIL

SCALE: 3/8" = 1'-0"



06 DRINKING FOUNTAIN DETAIL

SCALE: 1/2" = 1'-0"

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PROJECT NO:
24-4553

DRAWN BY:
AJS/

DATE:
10-11-2024



KEYES ARCHITECTS & ASSOCIATES
4717 PRESTON HIGHWAY
LOUISVILLE, KENTUCKY 40213 (502) 636-5113

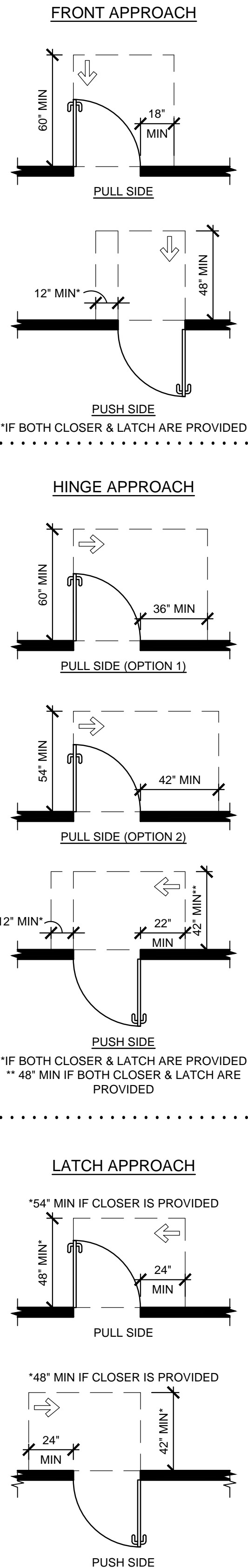
**EVANGEL CHRISTIAN
NEW SCHOOL**
6900 BILLOWAY RD.
LOUISVILLE, KY 40299

COMMERCIAL ADA-ANSI
GUIDELINES

A3.01

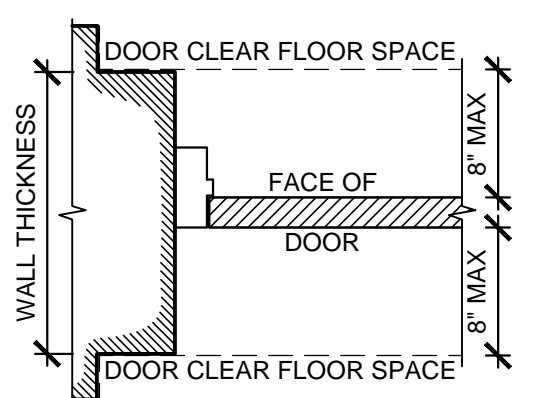
PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: A3.02 Commercial ADA-Ansi Guidelines.dwg - DATE: Oct 11, 2024 4:28PM - BY: TTY M. MOORE

REQUIRED DOOR ACCESSIBLE CLEAR FLOOR SPACE

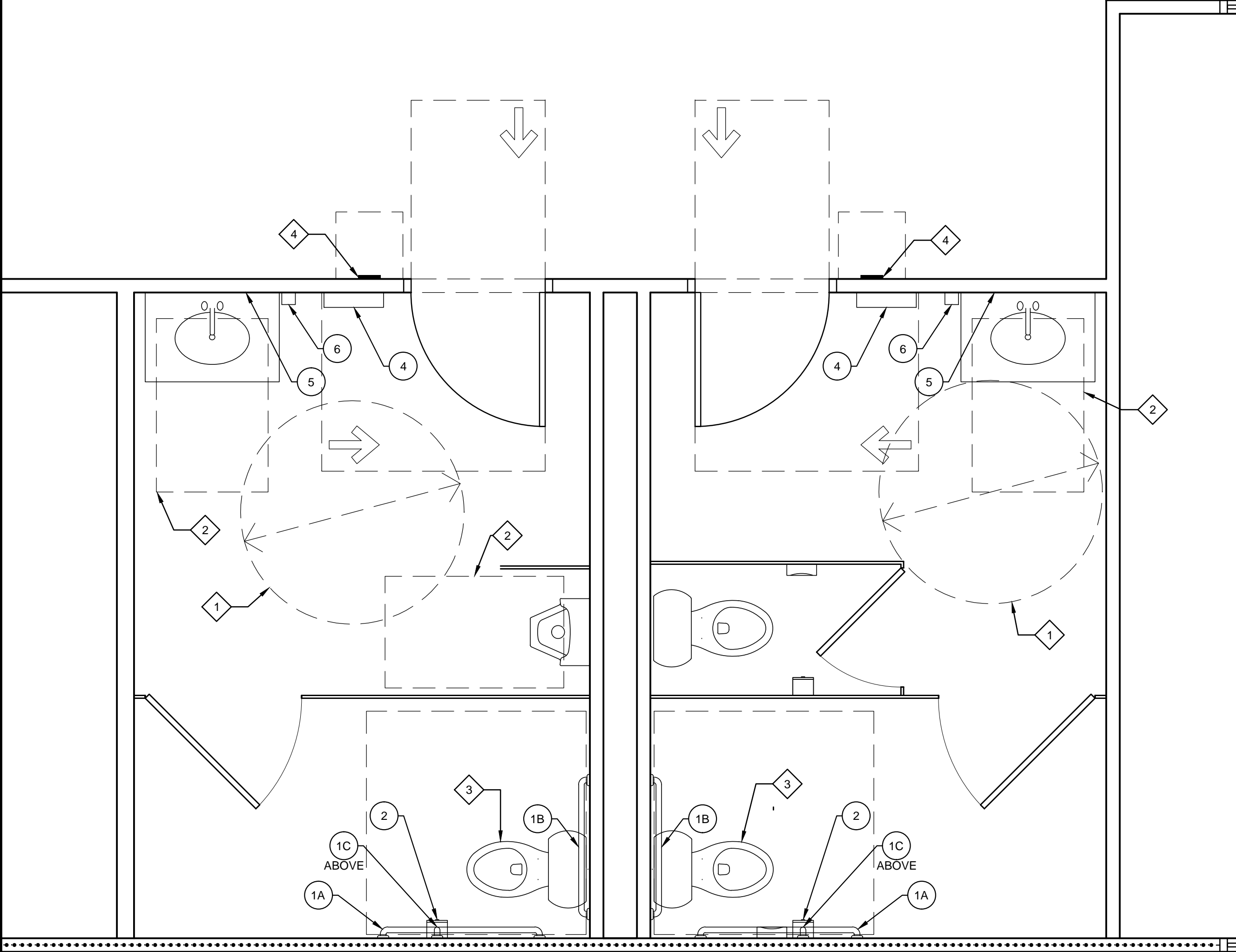


!! IMPORTANT INSTALLATION NOTE !!

MAXIMUM OFFSET FROM FACE OF DOOR TO CLEAR FLOOR SPACE

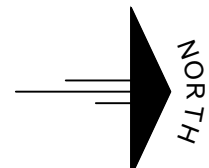


IF WALL THICKNESS EXCEEDS MAX OFFSET THEN WALL THICKNESS TO BE REDUCED FOR LENGTH OF FLOOR CLEARANCE SPACE



01 SECOND FLOOR TOILETS

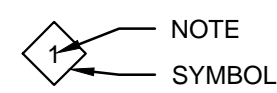
SCALE: 1/2" = 1'-0"



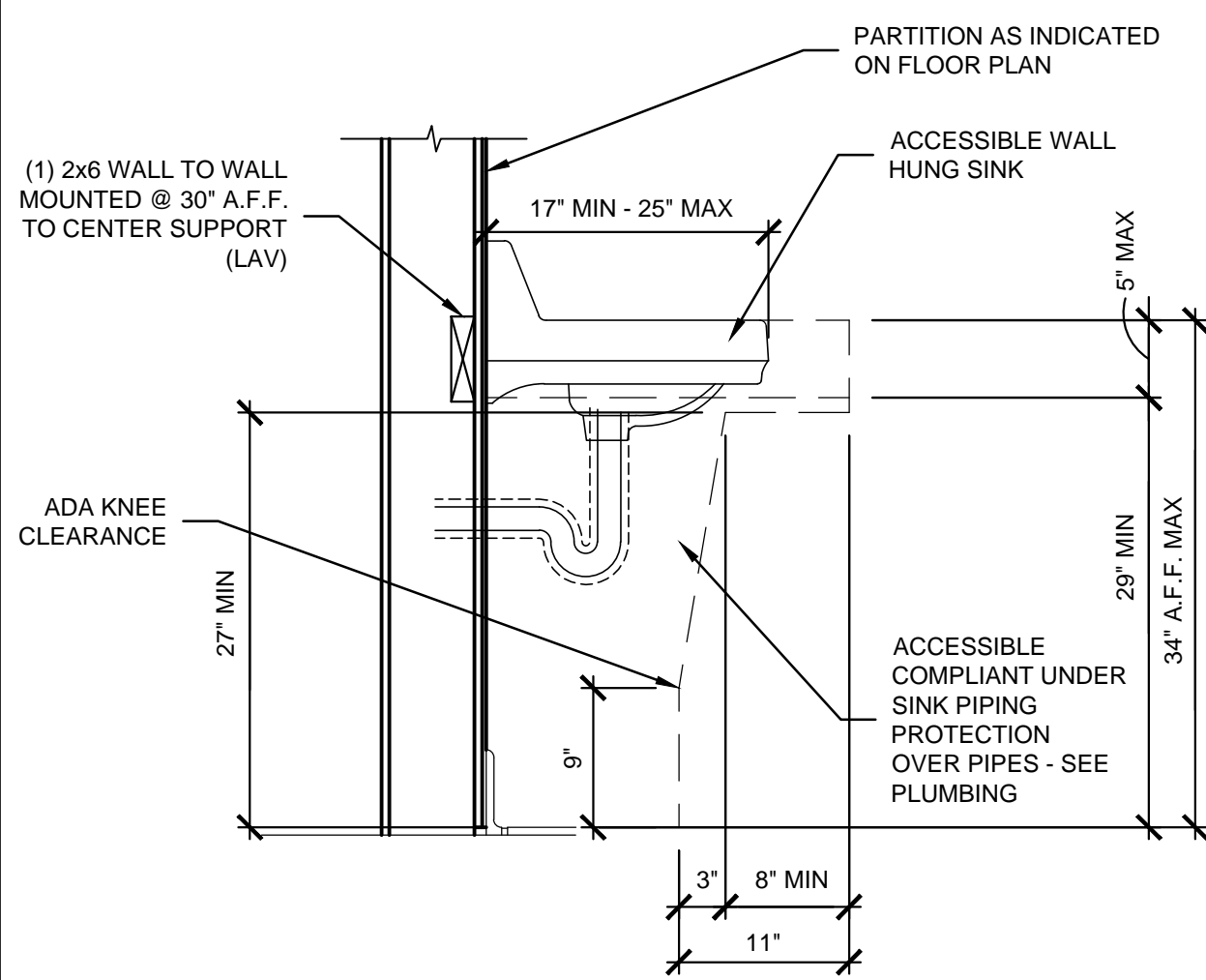
REQUIRED ACCESSIBLE CLEAR FLOOR SPACE

TYPICAL CLEAR FLOOR SPACES

1	TURNAROUND / TURNING CIRCLE: 60" DIAMETER CLEAR FLOOR SPACE (TYP.)
2	EQUIPMENT / FIXTURE: 30"x48" CLEAR FLOOR SPACE
3	TOILET IN TOILET PARTITION ROOM WITH 9" TOE CLEARANCE: 60"x60" CLEAR FLOOR SPACE
4	ACCESSIBLE SIGNAGE - SEE DETAIL 04/A3.01 FOR MORE INFORMATION



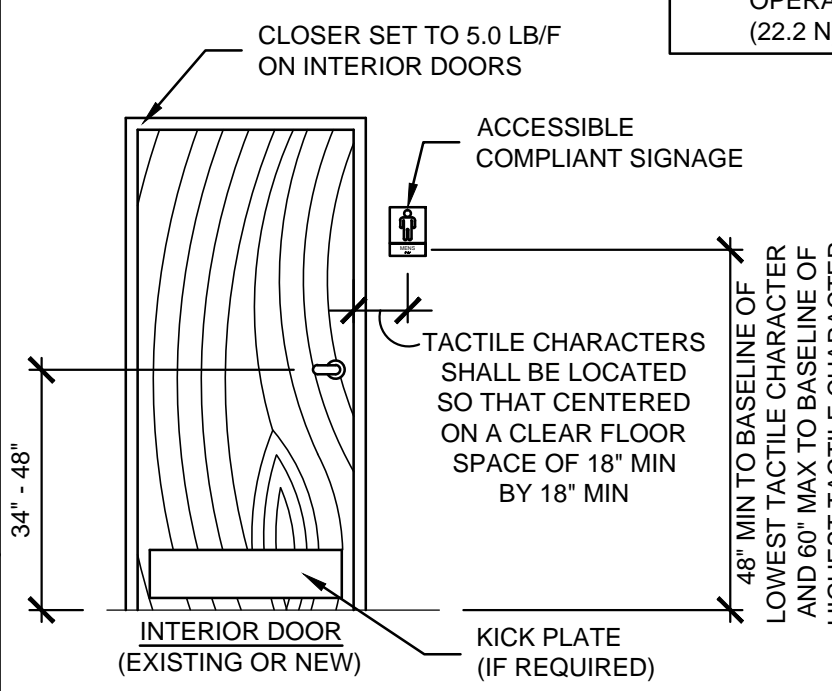
NOTE
SYMBOL



03 LAVATORY DETAIL

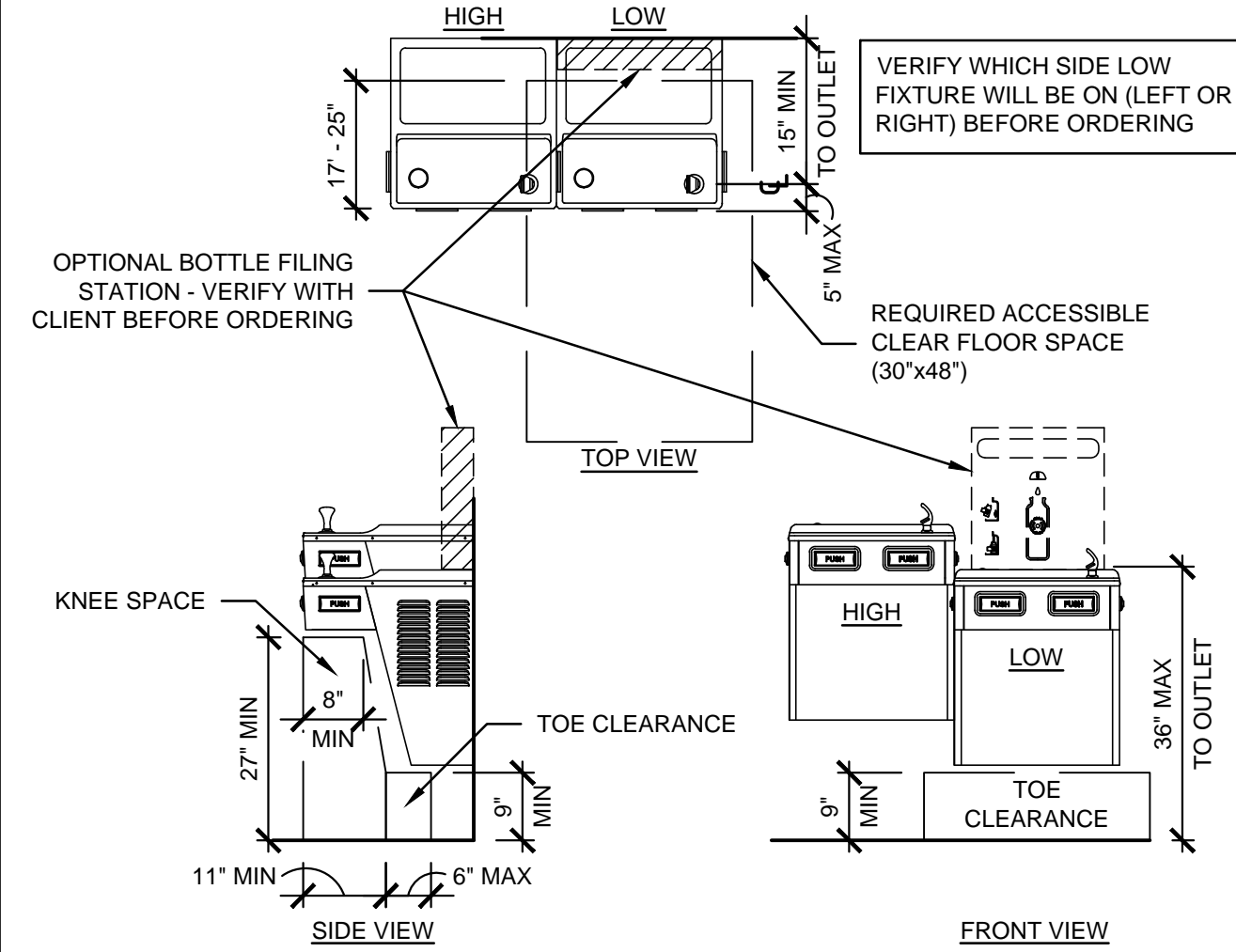
SCALE: 1" = 1'-0"

- GENERAL NOTES:**
- 1) OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
 - 2) THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAXIMUM.



04 DOOR SIGN / DOOR DETAIL

SCALE: 3/8" = 1'-0"



05 DRINKING FOUNTAIN DETAIL

SCALE: 1/2" = 1'-0"

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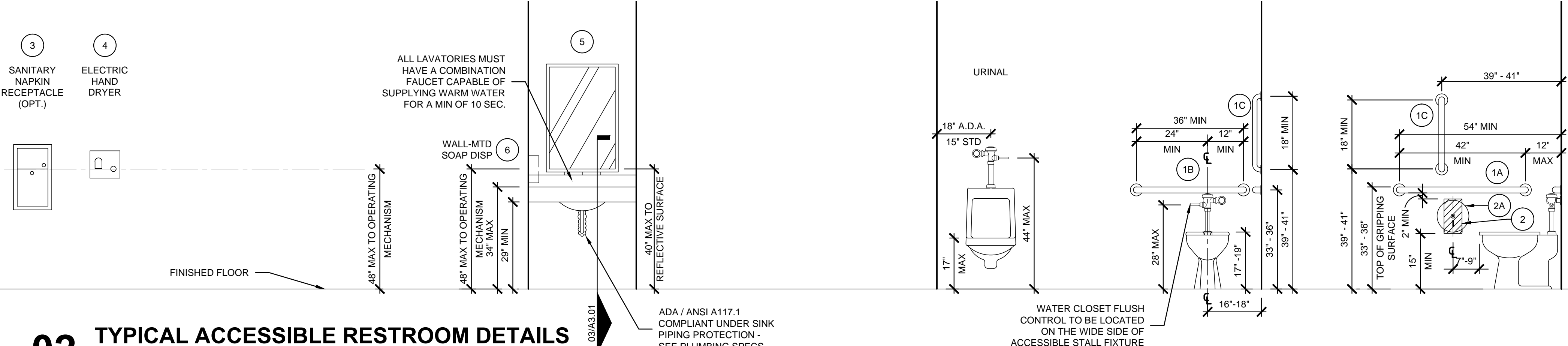
RESTROOM ACCESSORIES SCHEDULE

ITEM (SEE NOTE 2)	MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
1B GRAB BAR 42"	SEE SPECS.	SEE SPECS.	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
GRAB BAR 36"	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
GRAB BAR 24" (18" MIN)	SEE SPECS.	SEE SPECS.	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
2 TOILET TISSUE DISPENSER, DOUBLE, SURFACE MOUNTED (SEE NOTE 4)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
3 SANITARY NAPKIN RECEPTACLE (OPTIONAL)	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS

4 HAND DRYER, RECESSED, ADA, WHITE-OTHER COLORS AT ADDITIONAL COST	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
5 MIRROR, CHANNEL FRAME	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
6 SOAP DISPENSER, WALL-MOUNTED	SEE SPECS.	SEE SPECS. FOR RECOMMENDED MANUFACTURERS	MOUNTED PER MANUFACTURER'S RECOMMENDATIONS

NOTES:

- 1) SEE BELOW FOR ACCESSORY MOUNTING HEIGHTS
- 2) SELECT ONE ITEM FROM ITEM GROUPS 4 & 6. VERIFY WITH OWNER.
- 3) CUT BACK-UP SUPPORTS BETWEEN STUDS SO FACE OF SUPPORT IS FLUSH WITH WALL STUD
- 4) HATCHED AREA SHOWN FOR MOUNTING LOCATION
- 5) 48" MAX TO TOP OF COAT HOOK



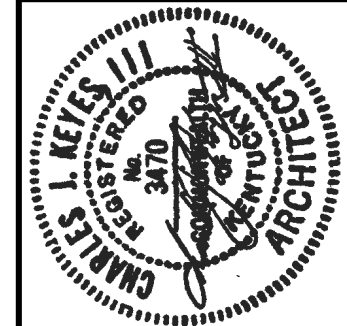
02 TYPICAL ACCESSIBLE RESTROOM DETAILS

SCALE: 1/2" = 1'-0"

PROJECT NO:
24-4553

DRAWN BY:
AJS/

DATE:
10-11-2024



KEYES ARCHITECTS & ASSOCIATES
4717 PRESTON HIGHWAY
LOUISVILLE, KENTUCKY 40213 (502) 636-5113

**EVANGEL CHRISTIAN
NEW SCHOOL**
6800 BILLTOWN RD.
LOUISVILLE, KY 40239

COMMERCIAL ADA-ANSI
GUIDELINES

A3.02

PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: A4.01 Schedules.dwg - DATE: Oct 11, 2024 4:28PM - BY:TY M. MOORE

ROOM FINISH SCHEDULE							
ROOM #	ROOM NAME	FLOOR	BASE	WALLS	CEILING MTL	CEILING HGT	REMARKS
101	LOBBY	LVT	VINYL	WALL #3	CEILING #1	8'-6"	
102	RECEPTION	LVT	VINYL	WALL #3	CEILING #2	8'-6"	
103	OFFICE	CARPET	VINYL	GYP BD	CEILING #2	8'-6"	
104	OFFICE	CARPET	VINYL	GYP BD	CEILING #2	8'-6"	
105	OFFICE	CARPET	VINYL	GYP BD	CEILING #2	8'-6"	
106	CORRIDOR	LVT	VINYL	WALL #3	CEILING #2	8'-6"	
107	JANITOR CLOSET	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
108	STAFF TOILET	CERAMIC TILE	TILE	WALL #1	CEILING #3	8'-6"	
109	FOOD STORAGE	LVT	VINYL	GYP BD	CEILING #3	8'-6"	
110	FOOD PREP	LVT	VINYL	WALL #2	CEILING #3	8'-6"	
111	STORAGE	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
112	LOCKER ROOM	LVT	VINYL	GYP BD	CEILING #2	9'-6"	
113	MECHANICAL	LVT	VINYL	GYP BD	CEILING #2	9'-6"	
114	LOCKER ROOM	LVT	VINYL	GYP BD	CEILING #2	9'-6"	
115	CAFETERIA / MULTI-PURPOSE	LVT	VINYL	GYP BD	CEILING #2	21'-6"	1
116	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
117	STAIR 1	LVT	VINYL	GYP BD	CEILING #2	21'-6"	1, 2
118	ELEVATOR / MECHANICAL ROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
119	MEN'S TOILET	CERAMIC TILE	TILE	WALL #1	CEILING #3	8'-6"	
120	COORDOR	LVT	VINYL	WALL #3	CEILING #2	8'-6"	
121	WOMEN'S TOILET	CERAMIC TILE	TILE	WALL #1	CEILING #3	8'-6"	
122	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
123	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
124	STAIR 2	LVT	VINYL	GYP BD	CEILING #2	21'-6"	1, 2
125	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
126	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
127	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
128	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
129	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
130	CONNECTOR	LVT	VINYL	WALL #3	CEILING #2	8'-6"	
131	CONNECTOR	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
201	STAIR 2	LVT	VINYL	GYP BD	CEILING #2	21'-6"	1, 2
202	MUSIC ROOM	LVT	VINYL	WALL #3	CEILING #2	10'-0"	1
203	WOMEN'S TOILET	CERAMIC TILE	TILE	WALL #1	CEILING #3	8'-6"	
204	MEN'S TOILET	CERAMIC TILE	TILE	WALL #1	CEILING #3	8'-6"	
205	STAFF OFFICE	CARPET	VINYL	GYP BD	CEILING #2	8'-6"	
206	JANITOR CLOSET	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
207	STAIR 1	LVT	VINYL	GYP BD	CEILING #2		
208	AUDITORIUM / AUXILIARY SPACE	LVT	VINYL	WALL #3	CEILING #2	8'-6"	1
209	COORDIDOR	LVT	VINYL	WALL #3	CEILING #2	8'-6"	
210	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
211	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
212	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
213	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	
214	CLASSROOM	LVT	VINYL	GYP BD	CEILING #2	8'-6"	

FINISH SCHEDULE KEY	
CARPET	GLUE DOWN PILE CARPET
LVT	LUXURY VINYL TILE - SEE SPECIFICATIONS
CERAMIC TILE	VERIFY SIZES AND STYLE WITH OWNER
CONCRETE	SEALED CONCRETE FLOOR - SEE SPECIFICATIONS
CEILING #1	2"x4" LAY-IN RECESSED WHITE GRID WITH PREMIUM ACOUSTICAL TILE - SEE SPECIFICATIONS
CEILING #2	2"x4" LAY-IN FLUSH WHITE GRID WITH ACOUSTICAL TILE - SEE SPECIFICATIONS
CEILING #3	2"x4" LAY-IN FLUSH WHITE GRID WITH VINYL FACED TILE - SEE SPECIFICATIONS
WALL #1	CERAMIC TILE TO 54" AND PAINT ABOVE
WALL #2	GYP. BD. W/ FULL HEIGHT FRP & TRIM
WALL #3	PAINT WITH CHAIR-RAIL AT 42" A.F.F. WITH PAINT ABOVE - PAINTS SELECTED BY OWNER - SEE SPECIFICATIONS

ROOM FINISH REMARKS

- 1) GYP. BD. EXPANSION JOINTS PER SPECS.
- 2) VINYL TREADS & BACKS W/ NON SKIP NOSING

DOOR SCHEDULE							
NUMBER	SIZE	FIRE	MATERIAL	FRAME	HARDWARE	DETAILS	REMARKS
100	PR 3'-0"x 7'-0"	N/A	ALUM/GLASS	ALUM	13	07,08/A6.01	5
101	3'-0 x 7'-0"	N/A	WOOD	HM	3	01,02/A6.01	2
102	3'-0 x 7'-0"	N/A	WOOD	HM	3	01,02/A6.01	2
103	PR 3'-0"x 7'-0"	45 MIN.	WOOD	HM	8	09,10/A6.01	1
104	4'-0" x 7'-0"	N/A	WOOD	HM	7	01,02/A6.01	
105	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
106	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
107	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
108	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
109	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
110	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
111	(2) 3'-0 x 7'-0"	N/A	HM	HM	1	03,04/A6.01	1
112	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
113	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
114	3'-0 x 7'-0"	N/A	WOOD	HM	14	01,02/A6.01	4
115	3'-0 x 7'-0"	N/A	WOOD	HM	14	01,02/A6.01	4
116	PR 3'-0"x 7'-0"	45 MIN.	WOOD	HM	8	09,10/A6.01	1
117	3'-0 x 7'-0"	45 MIN.	WOOD	HM	5	09,10/A6.01	4
118	3'-0 x 7'-0"	N/A	WOOD	HM	5	01,02/A6.01	4
119	PR 3'-0"x 7'-0"	N/A	WOOD	HM	8	01,02/A6.01	1
120	3'-0 x 7'-0"	45 MIN.	WOOD	HM	6	09,10/A6.01	1
121	3'-0 x 7'-0"	45 MIN.	WOOD	HM	6	09,10/A6.01	1
122	3'-0 x 7'-0"	N/A	WOOD	HM	7	01,02/A6.01	
123	3'-0 x 7'-0"	N/A	WOOD	HM	6	01,02/A6.01	1
124	3'-0 x 7'-0"	N/A	WOOD	HM	6	01,02/A6.01	2
125	3'-0 x 7'-0"	N/A	WOOD	HM	6	01,02/A6.01	2
126	3'-0 x 7'-0"	N/A	WOOD	HM	6	01,02/A6.01	2
127	3'-0 x 7'-0"	N/A	WOOD	HM	4	01,02/A6.01	
128	3'-0 x 7'-0"	N/A	WOOD	HM	7	01,02/A6.01	4
129	PR 3'-0"x 7'-0"	N/A	HM	HM	2	03,04/A6.01	1
130	PR 3'-0"x 7'-0"	45 MIN.	WOOD	HM	11	09,10/A6.01	4
131	3'-0 x 7'-0"	N/A	WOOD	HM	6	01,02/A6.01	4
132	PR 3'-0"x 7'-0"	N/A	HM	HM	2	03,04/A6.01	1
133	3'-0 x 7'-0"	N/A	WOOD	HM	6	01,02/A6.01	
134	PR 3'-0"x 7'-0"	N/A	WOOD	HM	11	01,02/A6.01	
135	PR 3'-0"x 7'-0"	N/A	HM	HM	2	03,04/A6.01	1
136	PR 3'-0"x 7'-0"	N/A	HM	HM	12	03,04/A6.01	1
137	OVHD	N/A	PER MANUF.	PER MANUF.	10	05,06/A6.01	3
138	PR 3'-0"x 7'-0"	N/A	HM	HM	1	07,08/A6.01	1
200	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
201	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
202	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
203	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
204	3'-0 x 7'-0"	N/A	WOOD	HM	9	01,02/A6.01	1
205	PR 3'-0"x 7'-0"	N/A	WOOD	HM	8	01,02/A6.01	1
206	3'-0 x 7'-0"	N/A	WOOD	HM	14	01,02/A6.01	4
207	3'-0 x 7'-0"	N/A	WOOD	HM	14	01,02/A6.01	4
208	3'-0 x 7'-0"	N/A	WOOD	HM	6	01,02/A6.01	2
209	3'-0 x 7'-0"	N/A	WOOD	HM	7	01,02/A6.01	4
210	PR 3'-0"x 7'-0"	N/A	WOOD	HM	8	01,02/A6.01	2
211	PR 3'-0"x 7'-0"	N/A	WOOD	HM	8	01,02/A6.01	2
212	3'-0 x 7'-0"	N/A	HM	HM	12	03,04/A6.01	1

DOOR HARDWARE SCHEDULE

*NRP = NON-REMOVABLE PIN

- 1) 3 PR. HINGES

2 PANIC DEVICE W/ PUBLIC ACCESS FEATURE

1 VERTICAL BAR

2 CLOSER

1 WEATHERSTRIP SET

1 THRESHOLD
- 2) 3 PR. HINGES

2 PR. PUSH/PULLS

1 DEADBOLT (THUMB TURN INSIDE)

1 PR. FLUSH BOLTS

2 CLOSER

1 WEATHERSTRIP SET

1 THRESHOLD

2 WALL STOPS
- 3) 1-1/2 PR. HINGES (NRP)

1 ENTRANCE SET

1 CLOSER

1 WEATHERSTRIP SET

1 THRESHOLD

1 WALL STOP
- 4) 1-1/2 PR. HINGES

1 PRIVACY SET

1 WALL STOP
- 5) 1-1/2 PR. HINGES

1 PASSAGE SET

1 WALL STOP
- 6) 1-1/2 PR. HINGES

1 ENTRANCE SET

1 WALL STOP
- 7) 1-1/2 PR. HINGES

1 STOREROOM SET

1 WALL STOP

1 CLOSER W/ HOLD OPEN
- 8) 3 PR. HINGES

2 CLOSERS W/ HOLD OPEN

2 PR. PUSH/PULL

2 PR. KICK PLATES
- 9) 1-1/2 PR. HINGES

1 SECURITY CLASSROOM SET

1 WALL STOP
- 10) HARDWARE BY MANUFACTURER
- 11) 3 PR. HINGES

2 PR. PUSH/PULLS

1 DEADBOLT (THUMB TURN INSIDE)

1 PR. FLUSH BOLTS

2 CLOSER
- 12) 1-1/2 PR. HINGES (NRP)

1 PANIC DEVICE W/ PUBLIC ACCESS FEATURE

1 CLOSER

1 WEATHERSTRIP SET

1 THRESHOLD
- 13) 2 PR PIVOTS

2 PANIC DEVICE WITH PUBLIC ACCESS FEATURE

1 VERTICAL BAR

2 CLOSER

1 WEATHERSTRIP SET

1 THRESHOLD
- 14) 1-1/2 PR HINGES

1 CLOSER

1 PR PUSH/ PULLS

1 WALL STOP

DOOR SCHEDULE REMARKS

- 1) 6"W x 32"H GLASS VISION PANEL ON STRIKE SIDE
- 2) HALF GLAZED DOOR
- 3) COILING OVERHEAD SHUTTER WITH BOX ON WALL. PROVIDE PULL LATCH CORD AND LATCH
- 4) PROVIDE 12" x 18" LOUVER IN BOTTOM OF DOOR
- 5) STOREFRONT DOORS

WINDOW SCHEDULE						
LETTER	SIZE	SILL HEIGHT	GLAZING	FRAME	DETAILS	REMARKS
A	4'-4" x 3'-4"	3'-9 1/2"	1" LOW E	ALUM.	01,02,03/A6.02	
B	2'-10" x 3'-4"	3'-9 1/2"	1" LOW E	ALUM.	01,02,03/A6.02	
C	4'-6" x 3'-4"			ALUM.	04,05,06/A6.02	1

WINDOW SCHEDULE REMARKS

- 1) 45 MIN. FIRE RATING

PROJECT NO:
24-4553

DRAWN BY:
AJS/

DATE:
10-11-2024



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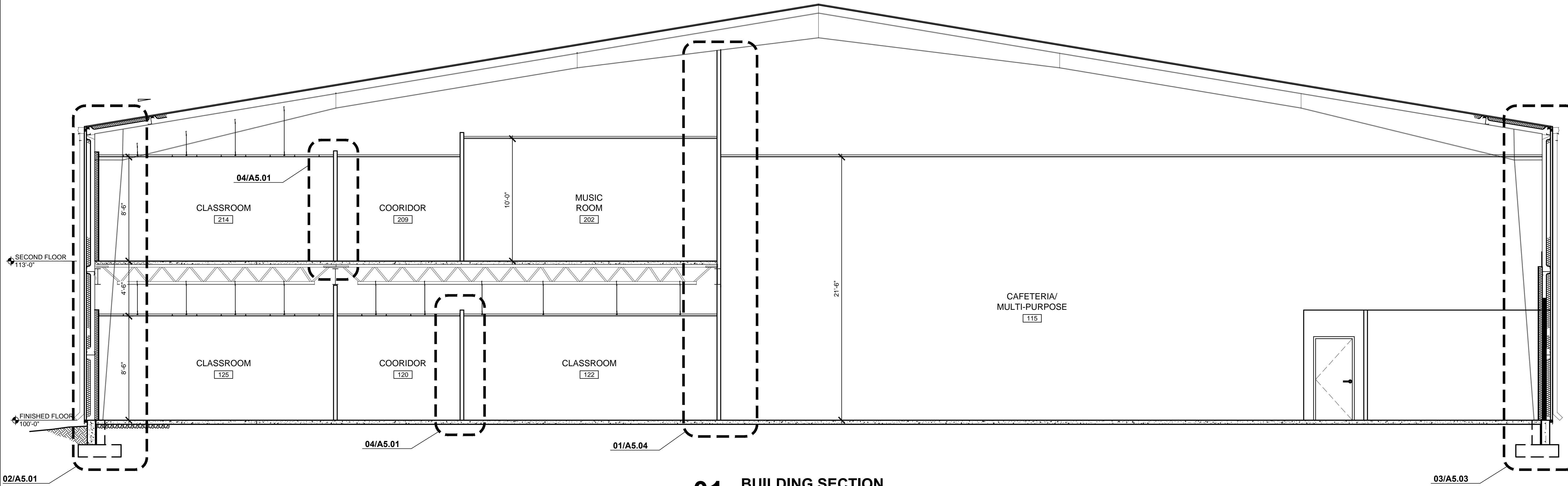
NEW BUILDING FOR
EVANGEL CHRISTIAN
NEW SCHOOL
6900 BILLTOWN RD.
LOUISVILLE, KY 40289

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SCHEDULES

A4.01

PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: A5.00 Building Sections.dwg - DATE: Oct 11, 2024 4:28PM - BY: TY M. MOORE



01 BUILDING SECTION

SCALE: 1/4" = 1'-0"

PROJECT NO:
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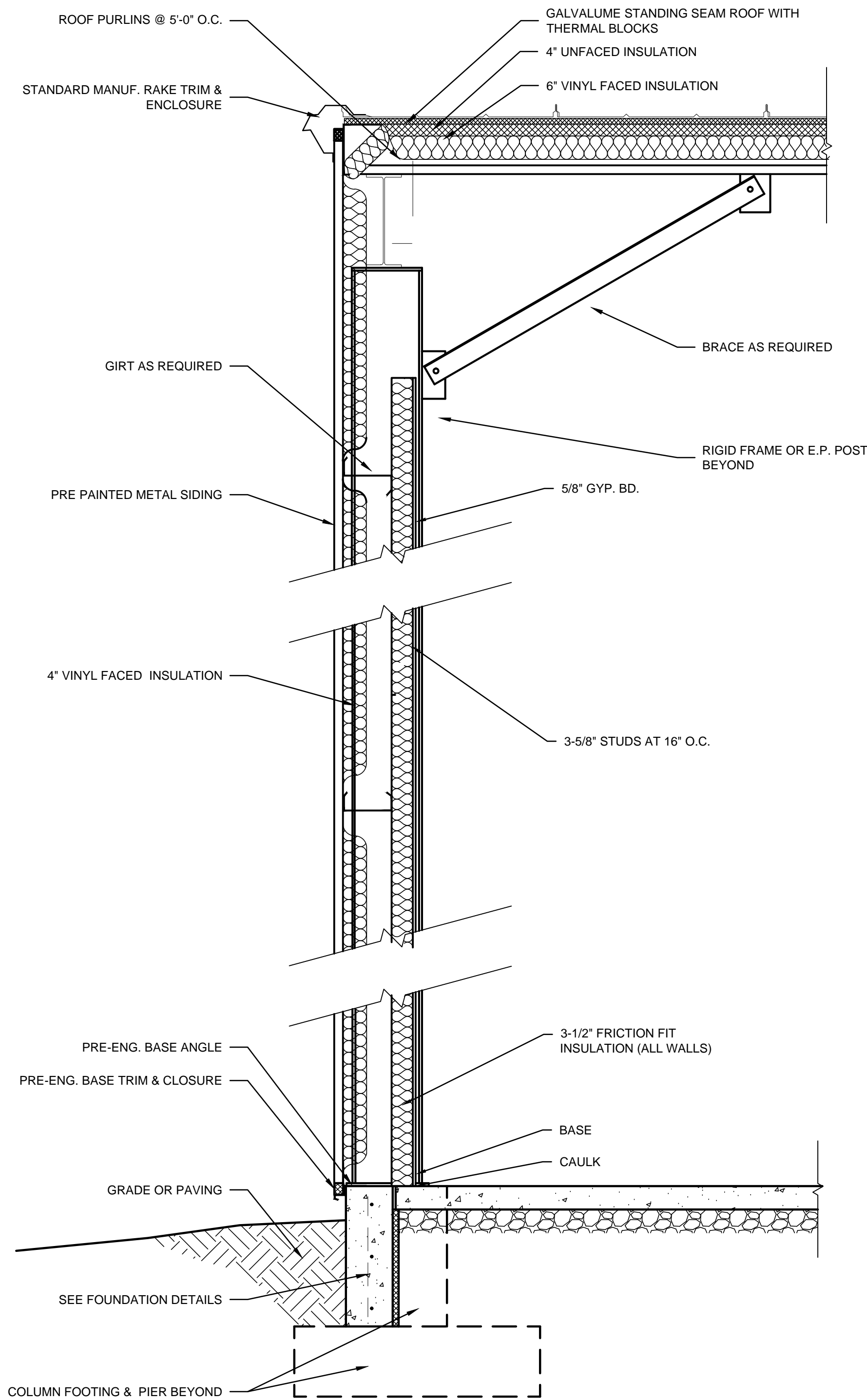
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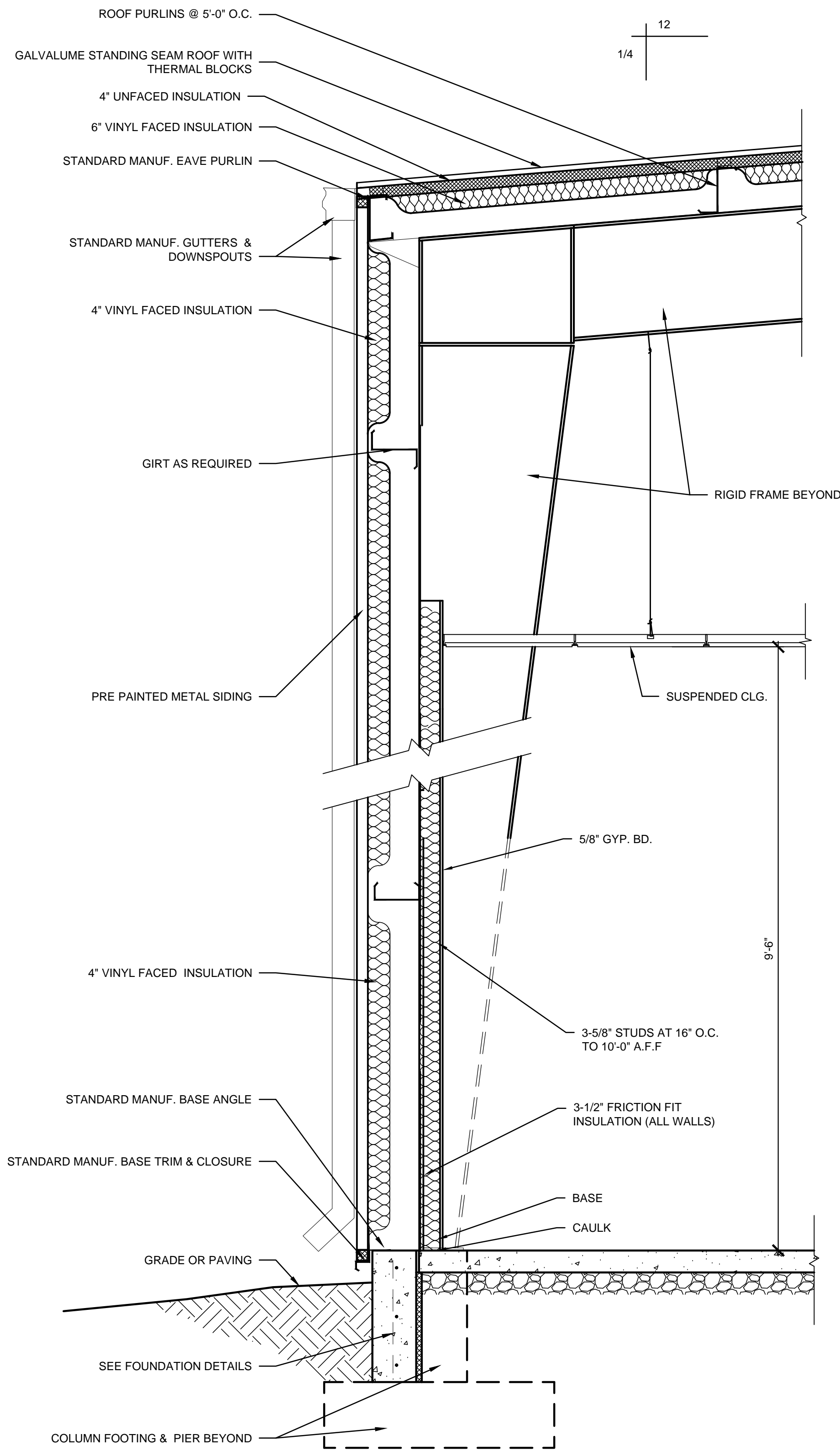
BUILDING SECTIONS

A5.00

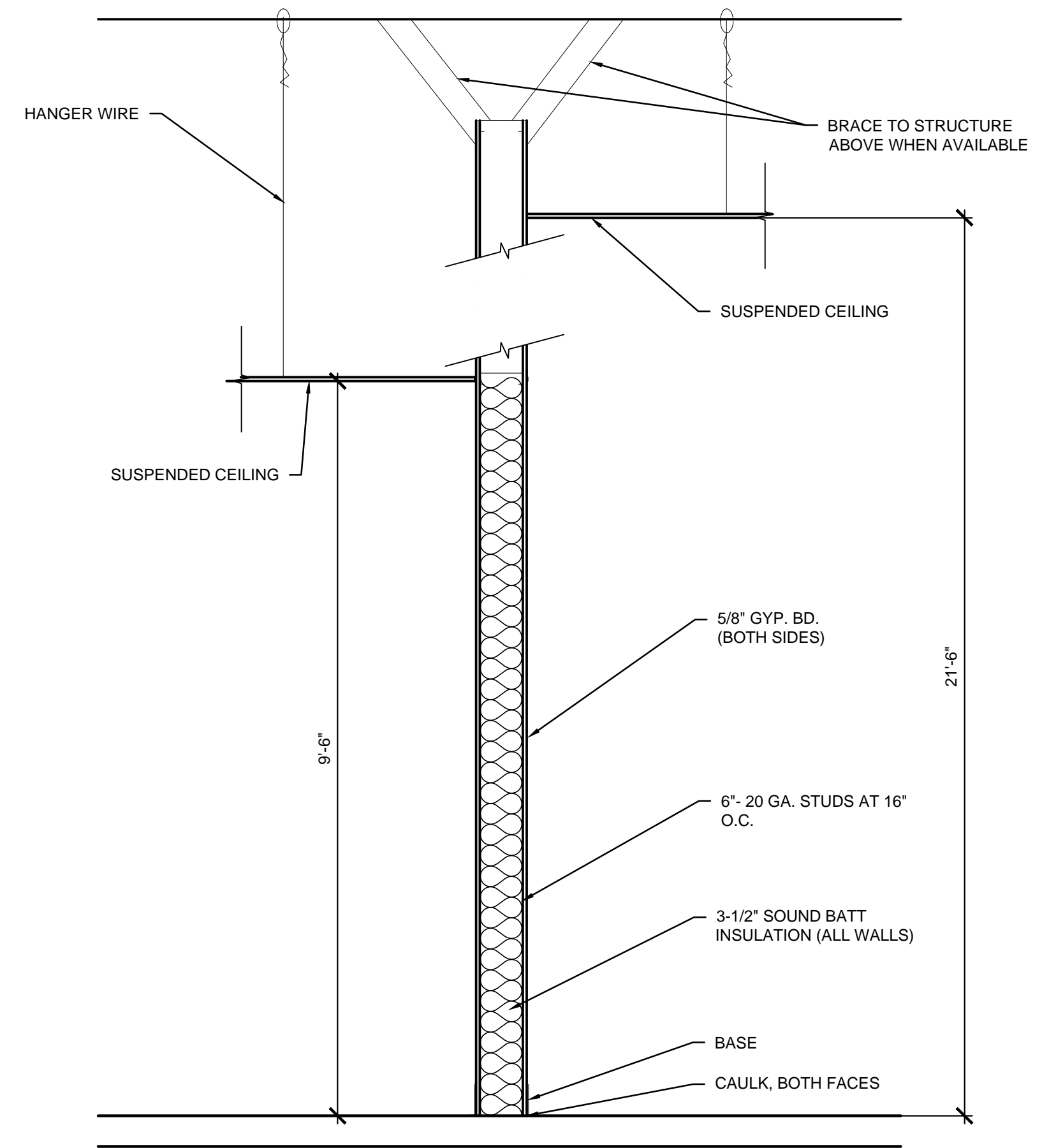
PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: A5.01 Wall Sections and Details.dwg - DATE: Oct 11, 2024 4:26PM - BY:TY M. MOORE



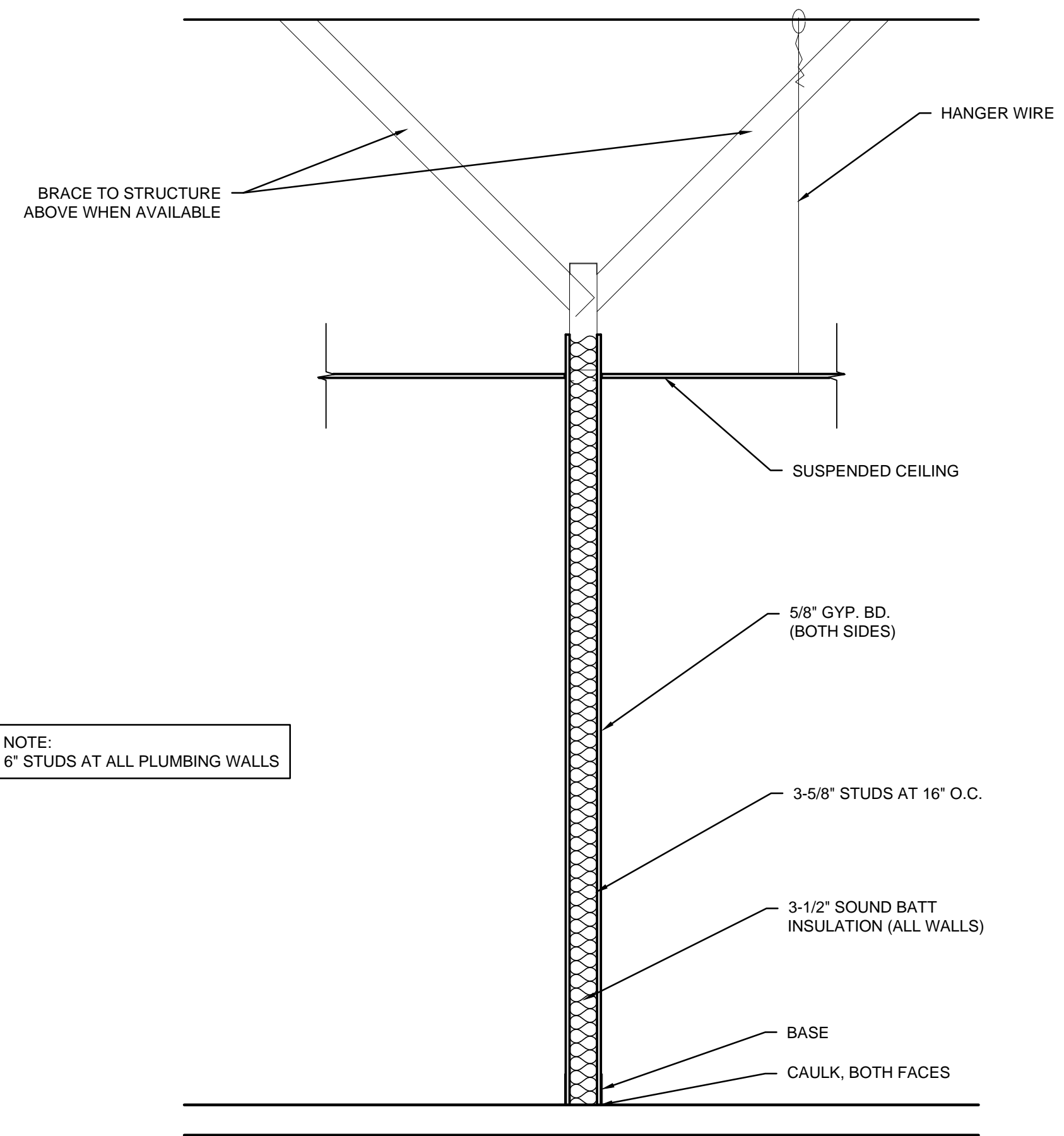
01 **ENDWALL SECTION**
SCALE: 3/4" = 1'-0"



02 **SIDEWALL SECTION**
SCALE: 3/4" = 1'-0"



03 **INTERIOR WALL**
SCALE: 3/4" = 1'-0"



04 **TYPICAL INTERIOR WALL**
SCALE: 3/4" = 1'-0"

NOTE:
6" STUDS AT ALL PLUMBING WALLS

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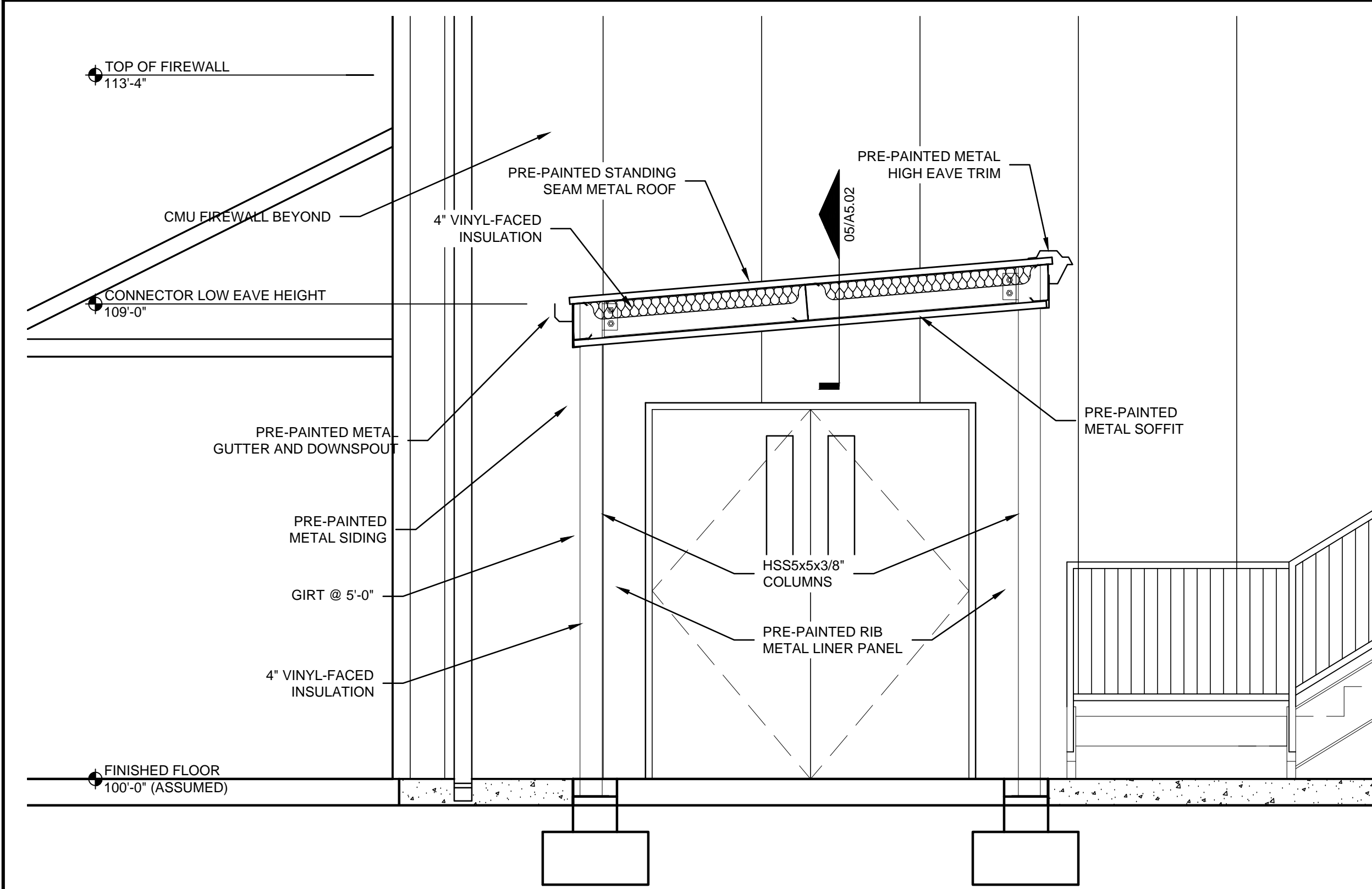
WALL SECTIONS AND DETAILS

A5.01

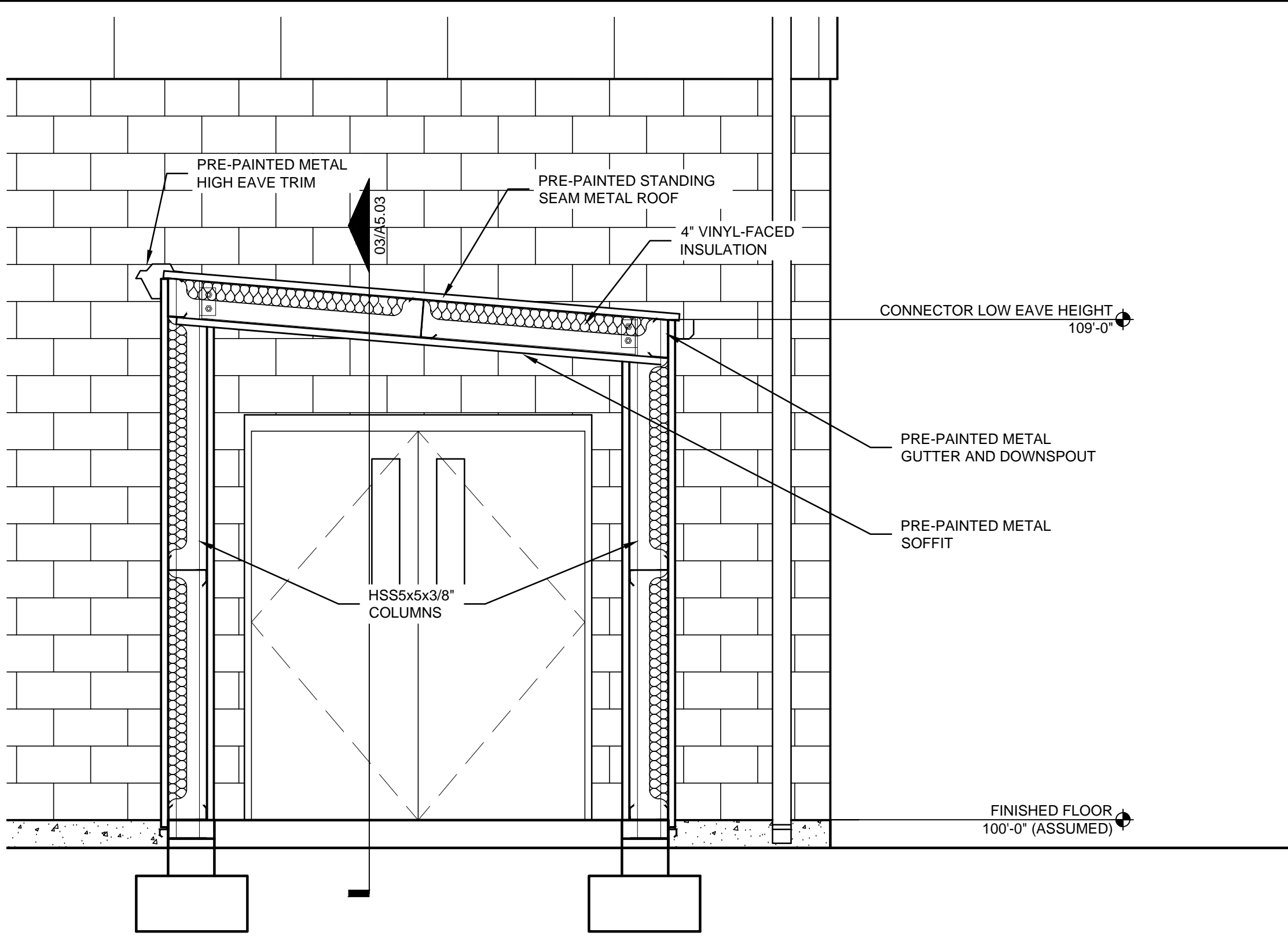


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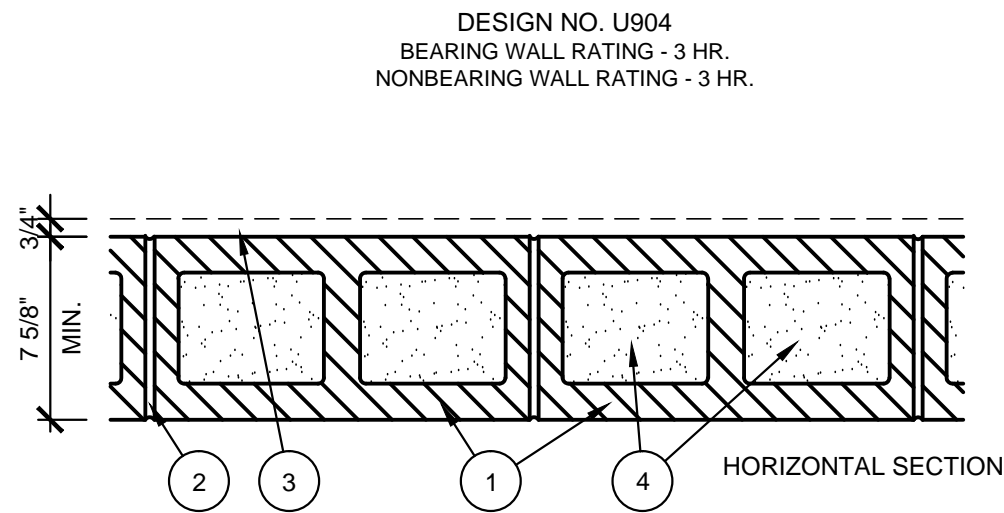
NEW BUILDING FOR
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NEW SCHOOL**
6900 BILLTOWN RD.
LOUISVILLE, KY 40239



01 PASSAGEWAY SECTION
SCALE: 1/2" = 1'-0"



02 PASSAGEWAY SECTION
SCALE: 1/2" = 1'-0"



03 U.L. RATED WALL DETAIL (3 HR.)
SCALE: 1-1/2" = 1'-0"

- CONCRETE BLOCKS* — VARIOUS DESIGNS. CLASSIFICATION C-3 (3 HR). SEE CONCRETE BLOCKS CATEGORY FOR LIST OF ELIGIBLE MANUFACTURERS.
 - MORTAR — BLOCKS LAID IN FULL BED OF MORTAR, NOM. 3/8 IN. THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.
 - PORTLAND CEMENT STUCCO OR GYPSUM PLASTER — ADD 1/2 HR TO CLASSIFICATION IF USED. ATTACHED TO CONCRETE BOLCKS (ITEM 1).
 - LOOSE MASONRY FILL — IF ALL CORE SPACES ARE FILLED WITH LOOSE DRY EXPANDED SLAG, EXPANDED CLAY OR SHALE (ROTARY KILN PROCESS), WATER REPELLANT VERMICULITE MASONRY FILL INSULATION, OR SILICONE TREATED PERLITE LOOSE FILL INSULATION ADD 1 HR TO CLASSIFICATION.
 - FOAMED PLASTIC* — (OPTIONAL-NOT SHOWN) — 1-1/2 IN. THICK MAX, 4 FT WIDE SHEATHING ATTACHED TO CONCRETE BLOCKS (ITEM 1).
- ATLAS ROOFING CORP — "ENERGYSHIELD PRO WALL INSULATION", "ENERGYSHIELD PRO 2 WALL INSULATION", "ENERGYSHIELD CGF PRO AND ENERGYSHIELD PLY PRO
- DUPONT DE NEMOURS, INC. — TYPE THERMAX SHEATHING, THERMAX LIGHT DUTY INSULATION, THERMAX HEAVY DUTY INSULATION, THERMAX METAL BUILDING BOARD, THERMAX WHITE FINISH INSULATION, THERMAX CI EXTERIOR INSULATION, THERMAX XARMOR CI EXTERIOR INSULATION, THERMAX IH INSULATION, THERMAX PLUS LINER PANEL, THERMAX HEAVY DUTY PLUS (HDP), TUFF-R™ CI INSULATION, THERMAX BUTLER STYLWALL INSULATION BOARD AND THERMAX MORTON HEAVY DUTY INSULATION BOARD
- FIRESTONE BUILDING PRODUCTS CO L L C — "ENVERGE™ CI FOIL EXTERIOR WALL INSULATION" AND "ENVERGE™ CI GLASS EXTERIOR WALL INSULATION"
- HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — TYPE "XCI-CLASS A", "XCI 286", "XCI FOIL (CLASS A)"
- RMAX, A BUSINESS UNIT OF SIKA CORPORATION — TYPES "TSX-8500", "ECOMAXCI FR", "TSX-8510", "ECOMAX XI FR WHITE", "ECOMAXCI", "ECOMAXCI FR AIR BARRIER", "THERMASHEATH-XP", "THERMASHEATH", "DURASHEATH"
- JOHNS MANVILLE — TYPE "AP FOIL-FACED FOAM SHEATHING"
- 5A. BUILDING UNITS* — AS AN ALTERNATE TO ITEM 5, MIN. 1-IN THICK POLYISOCYANURATE COMPOSITE FOAMED PLASTIC INSULATION BOARDS, NOM. 48 BY 48 OR 96 IN.
- RMAX, A BUSINESS UNIT OF SIKA CORPORATION — "THERMASHEATH-SI", "ECOBASECI", "THERMABASE-CI", "ECOMAXCI FR PLY", "ECOMAXCI PLY".

PROJECT NO:
24-4553
DRAWN BY:
AJS/
DATE:
10-11-2024



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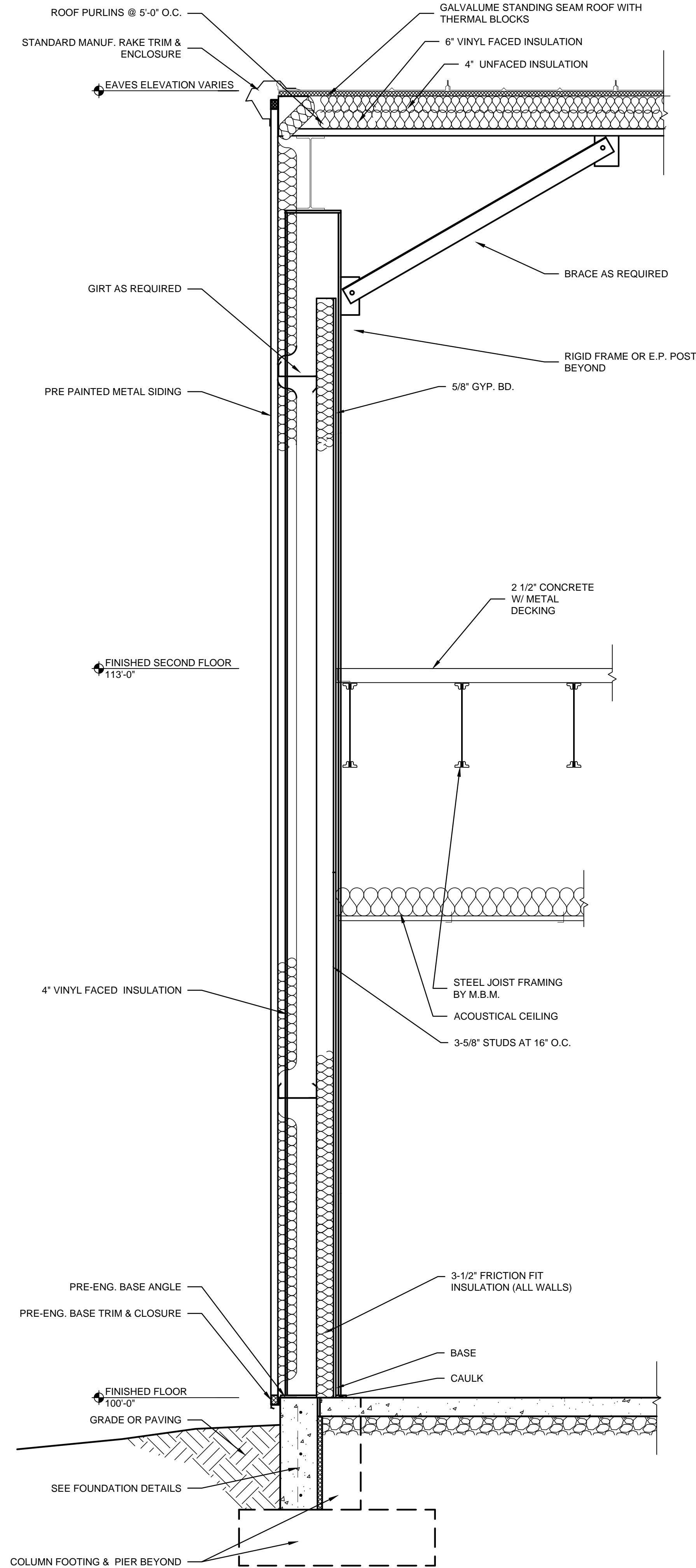
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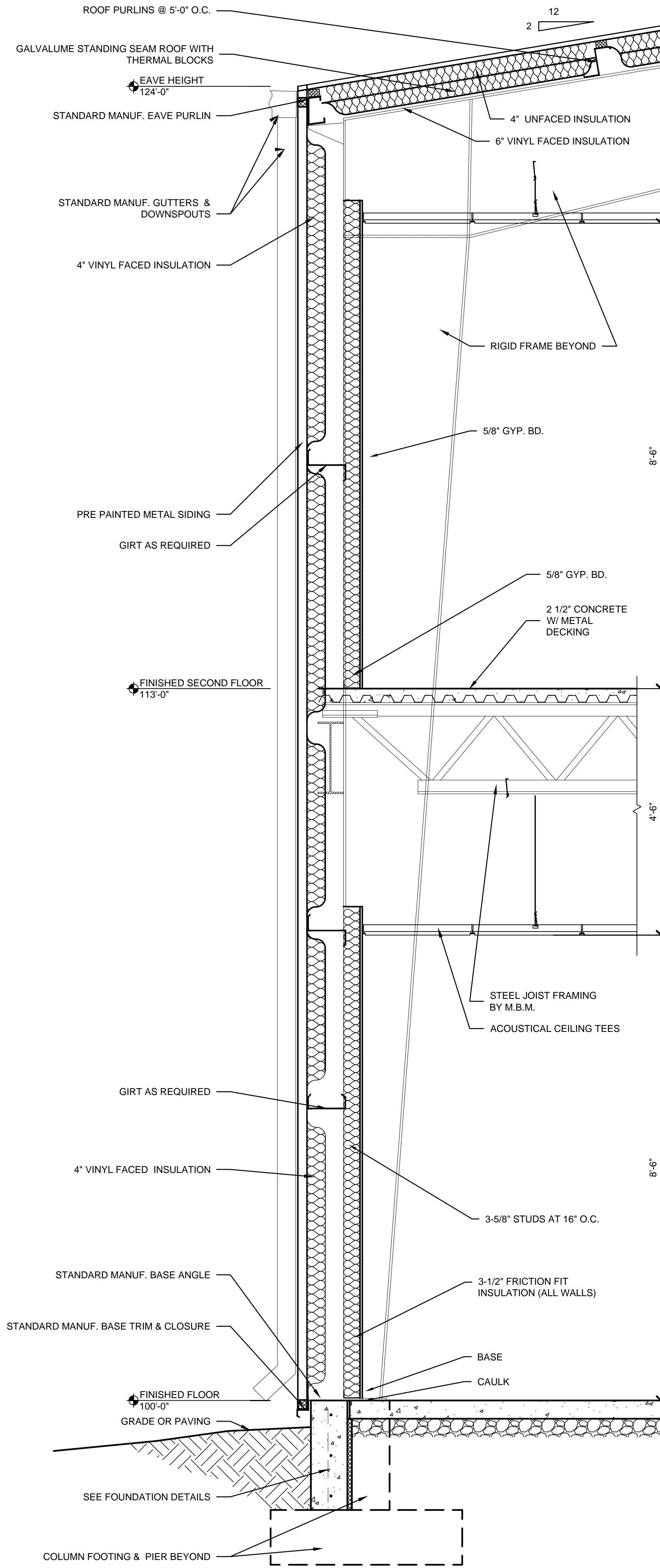
WALL SECTIONS AND
DETAILS

A5.02

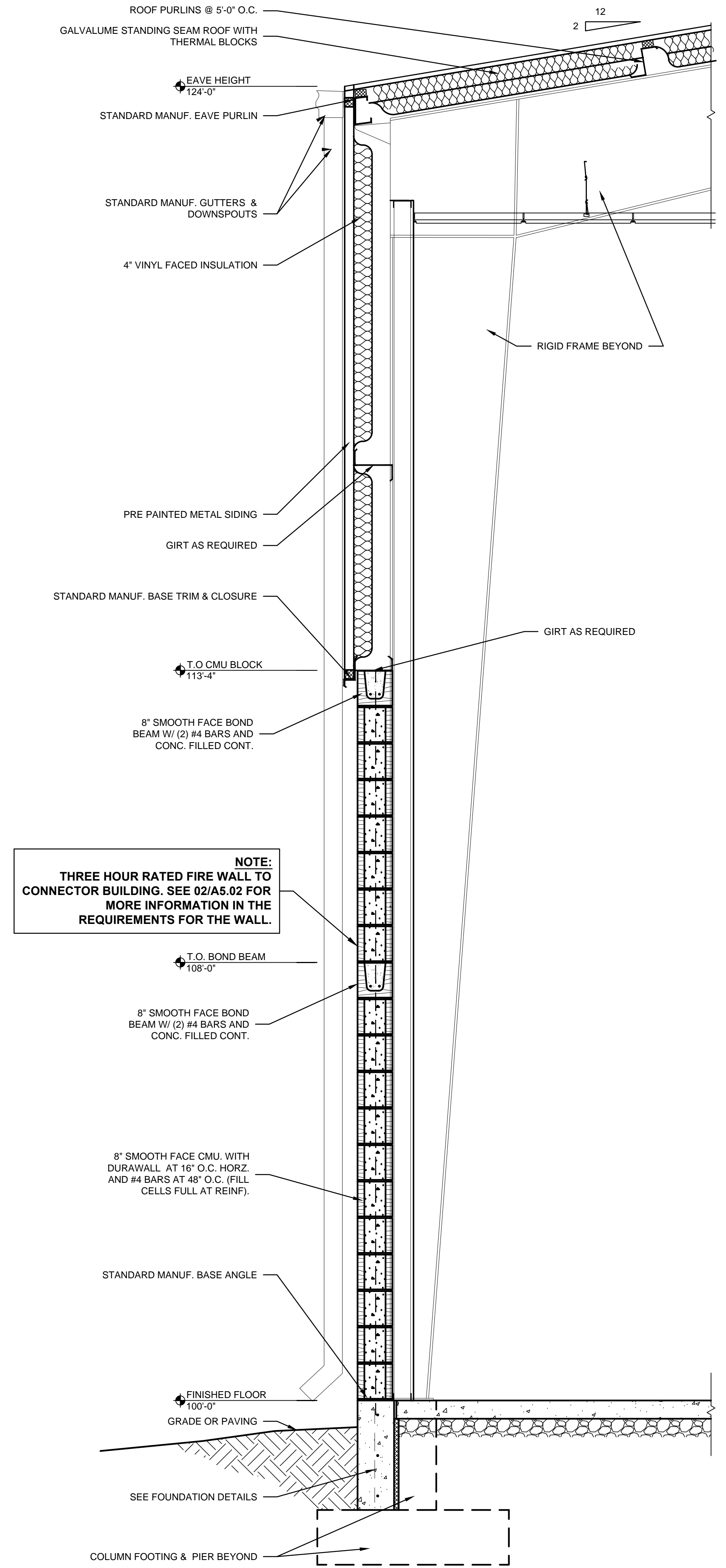
PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: A5.03 Wall Sections and Details.dwg - DATE: Oct 11, 2024 4:26PM - BY:TY M. MOORE



01 ENDWALL SECTION
SCALE: 3/4" = 1'-0"



02 SIDEWALL SECTION
SCALE: 3/4" = 1'-0"



02 SIDEWALL SECTION
SCALE: 3/4" = 1'-0"

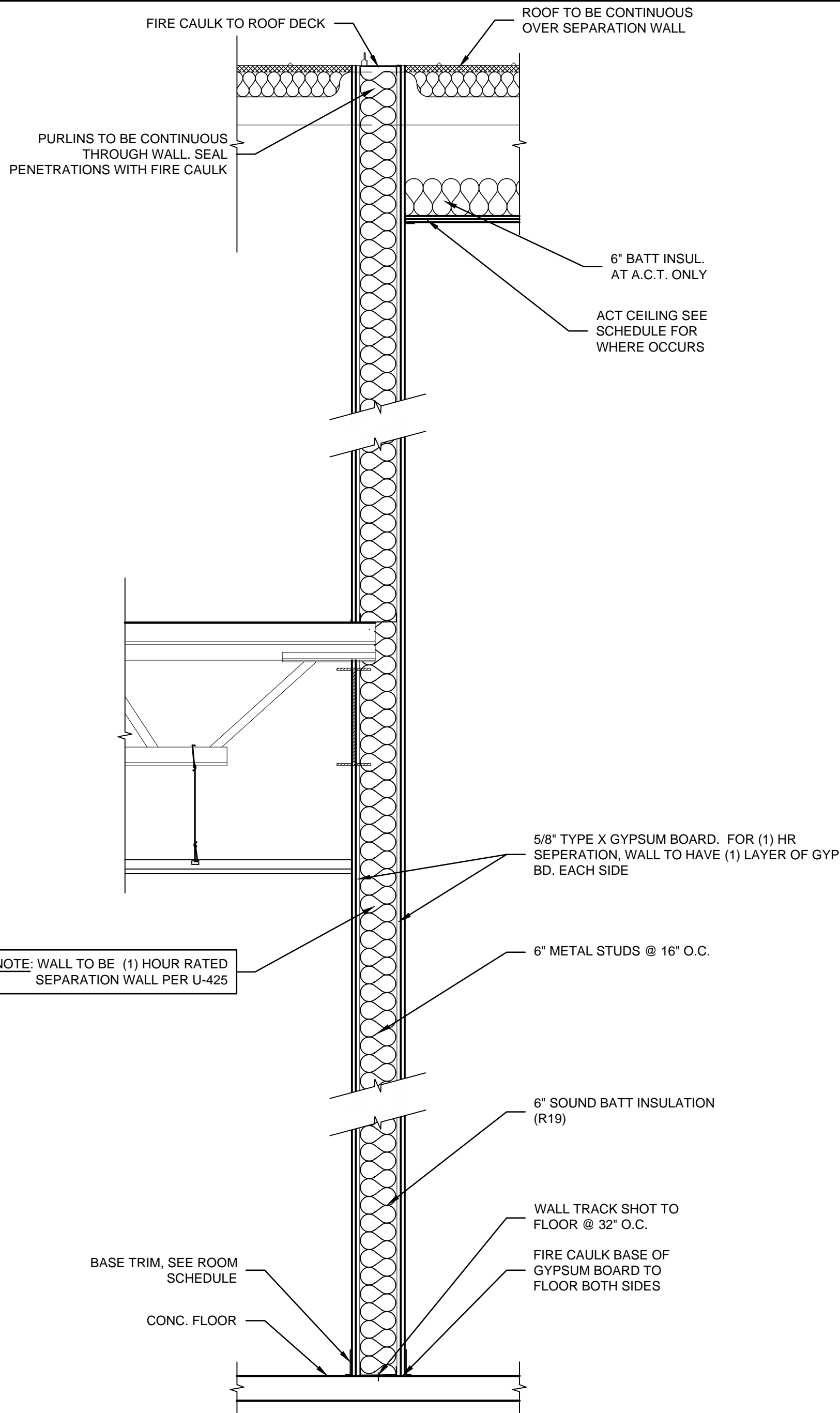
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24-4553
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AJS/NM
DATE:
10-11-2024



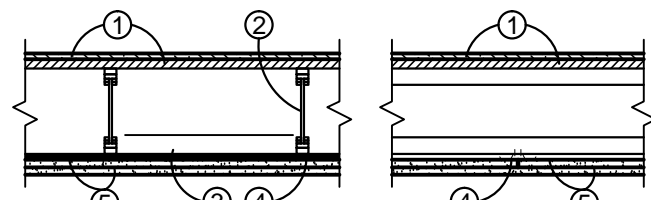
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WALL SECTIONS AND
DETAILS
A5.03



01 FIRE SEPERATION WALL
SCALE: 3/4" = 1'-0"



03 U.L. RATED CEILING TO FLOOR DETAIL (DESIGN NO. L589)
SCALE: NOT TO SCALE

1. FLOORING SYSTEM -- THE FLOORING SYSTEM SHALL CONSIST OF ONE OF THE FOLLOWING:

SUBFLOORING -- MIN 19/32 IN. THICK 2 X 6 WOOD STRUCTURAL PANELS INSTALLED PERPENDICULAR TO TRUSSES WITH JOINTS STAGGERED 4 FT. PLYWOOD OR NONVENEER APA RATED PANELS SECURED TO TRUSSES WITH CONSTRUCTION ADHESIVE AND NO. 60 RING SHANK NAILS SPACED 12 IN. OC ALONG EACH TRUSS. STAPLES HAVING EQUAL OR GREATER WITHDRAWAL AND LATERAL RESISTANCE STRENGTH MAY BE SUBSTITUTED FOR THE 60 NAILS.
VAPOR BARRIER (OPTIONAL) -- NOM 0.030 IN. THICK COMMERCIAL ASPHALT SATURATED FELT.

FLOOR MAT MATERIALS (OPTIONAL) -- NOM 1/4 IN. THICK FLOOR MAT MATERIAL LOOSE LAID OVER THE SUBFLOOR. MAXXON FLOOR PRIMER TO BE APPLIED TO THE SURFACE OF THE MAT PRIOR TO THE FLOOR TOPPING PLACEMENT. WHEN FLOOR MAT MATERIAL IS USED, MIN THICKNESS OF FLOOR TOPPING MIXTURE IS 1 IN. FLOOR TOPPING THICKNESS A MIN 3/4 IN. OVER ACOUSTI-MAT FLOOR MAT.

MAXXON CORP -- TYPE ACOUSTI-MAT 1, ACOUSTI-MAT II

ALTERNATE FLOOR MAT MATERIALS -- NOM 0.8 IN. THICK FLOOR MAT MATERIAL LOOSE LAID OVER THE SUBFLOOR WITH CRACK SUPPRESSION MAT (CSM) LOOSE LAID OVER THE FLOOR MAT MATERIAL. FLOOR TOPPING THICKNESS SHALL BE MIN 1-1/2 IN.

MAXXON CORP -- TYPE ACOUSTI-MAT 3, CRACK SUPPRESSION MAT (CSM)

METAL LATH -- (ALTERNATE TO CRACK SUPPRESSION MAT (CSM)) -- 3/8 IN. EXPANDED GALVANIZED STEEL DIAMOND MESH, 3.4 LBS/SQ YD LOOSE LAID OVER THE FLOOR MAT MATERIAL. FLOOR TOPPING THICKNESS SHALL BE MIN 1-1/2 IN.

ALTERNATE FLOOR MAT MATERIALS -- NOM 0.4 IN. THICK FLOOR MAT MATERIAL LOOSE LAID OVER THE SUBFLOOR. MAXXON FLOOR PRIMER TO BE APPLIED TO THE SURFACE OF THE MAT PRIOR TO THE FLOOR TOPPING PLACEMENT. FLOOR TOPPING THICKNESS SHALL BE MIN 1-1/2 IN.

MAXXON CORP -- TYPE ENKASONIC 9110

ALTERNATE FLOOR MAT MATERIALS (OPTIONAL) -- NOM 0.2 IN. THICK FLOOR MAT MATERIAL LOOSE LAID OVER THE SUBFLOOR. MAXXON FLOOR PRIMER MAY BE APPLIED TO THE SURFACE OF THE MAT PRIOR TO THE FLOOR TOPPING PLACEMENT. FLOOR TOPPING THICKNESS SHALL BE AS SPECIFIED UNDER FLOOR TOPPING MIXTURE.

MAXXON CORP -- TYPE ACOUSTI-MAT LP-R

METAL LATH (OPTIONAL) -- FOR USE WITH FLOOR MAT MATERIALS, 3/8 IN. EXPANDED GALVANIZED STEEL DIAMOND MESH, 3.4 LBS/SQ YD OR MAXXON CORP. UL CLASSIFIED CRACK SUPPRESSION MAT (CSM) LOOSE LAID OVER THE FLOOR MAT MATERIAL. FLOOR TOPPING THICKNESS SHALL BE MIN 1 IN.

MAXXON CORP -- TYPE CRACK SUPPRESSION MAT (CSM)

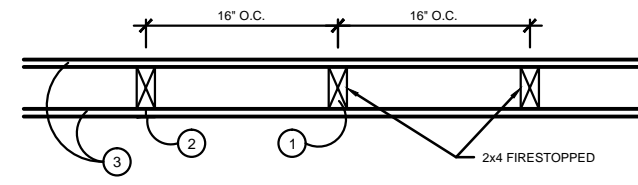
FINISH FLOORING -- FLOOR TOPPING MIXTURE -- MIN 3/4 IN. THICKNESS OF FLOOR TOPPING MIXTURE DEPENDING UPON FLOOR MAT SYSTEM AS SPECIFIED ABOVE, HAVING A MIN COMPRESSIVE STRENGTH OF 1000 PSI. MIXTURE SHALL CONSIST OF 3 TO 7 GAL. OF WATER TO 80 LBS OF FLOOR TOPPING MIXTURE TO 1.0 TO 2.1 CU FT OF SAND.

MAXXON CORP -- TYPE D-C, GC, GC2000, L-R, T-F, CT

WEYERHAEUSER NR -- TYPES T-J66-360, T-J66-560, T-J66-65, T-J66-90, T-J66-H20, T-J66-H50, T-J66-100C, T-J66-200C.

2. INSULATION - BATTS AND BLANKETS -- (OPTIONAL) -- GLASS FIBER INSULATION, SECURED TO THE SUBFLOORING WITH STAPLES, OR TO THE WOOD JOISTS WITH 0.090 IN. DIAM GALV STEEL WIRES, OR DRAPED OVER THE RESILIENT CHANNEL/GYPSUM PANEL (OR STEEL FRAMING MEMBERS/GYPSUM PANEL) CEILING MEMBRANE. ANY THICKNESS OF GLASS FIBER INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.

DESIGN NO. U305
BEARING WALL RATING - 1 HR.
FINISH RATING - SEE ITEM 3, 3A, AND 3D.
STC RATING - 56 (SEE ITEM 8)



02 U.L. RATED WALL DETAIL (DESIGN NO. U305)
SCALE: NTS

1. WOOD STUDS - NOM 2 BY 4 IN. SPACED 16 IN. OC MAX, EFFECTIVELY FIRESTOPPED.

2. JOINTS AND NAIL-HEADS - EXPOSED OR COVERED WITH FIBER TAPE AND JOINT COMPOUND, EXCEPT WHERE REQUIRED FOR SPECIFIC EDGE CONFIGURATION. FOR TAPERED, ROUNDED EDGE GYPSUM BOARD, JOINTS COVERED WITH JOINT COMPOUND OR FIBER TAPE AND JOINT COMPOUND AS AN ALTERNATE, NOM 3/32 IN. THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASE BOARD, JOINTS REINFORCED. NAIL HEADS EXPOSED OR COVERED WITH JOINT COMPOUND.

3. GYPSUM BOARD - 5/8 IN. THICK PAPER OR VINYL SURFACED, WITH BEVELED, SQUARE, OR TAPERED EDGES, APPLIED EITHER HORIZONTALLY OR VERTICALLY. GYPSUM PANEL NAILED 7 IN. OC WITH 6D CEMENT COATED NAILS 1-7/8 IN. LONG, 0.0915 IN. SHANK DIAM AND 1564 IN. DIAM HEADS. WHEN USED IN WIDTHS OTHER THAN 48 IN., GYPSUM PANELS ARE TO BE INSTALLED HORIZONTALLY. FOR AN ALTERNATE METHOD OF ATTACHMENT OF GYPSUM PANELS, REFER TO ITEM 6 OR 6A. STEEL FRAMING MEMBERS - (OPTIONAL) - WHEN ITEM 6, STEEL FRAMING MEMBERS, IS USED, GYPSUM PANELS ATTACHED TO FURRING CHANNELS WITH 1 IN. LONG TYPE S BUGLE-HEAD STEEL SCREWS SPACED 12 IN. OC. WHEN ITEM 6A, STEEL FRAMING MEMBERS, IS USED, TWO LAYERS OF GYPSUM PANELS ATTACHED TO FURRING CHANNELS. BASE LAYER ATTACHED TO FURRING CHANNELS WITH 1 IN. LONG TYPE S BUGLE-HEAD STEEL SCREWS SPACED 12 IN. OC. FACED LAYER ATTACHED TO FURRING CHANNELS WITH 1-5/8 IN. LONG TYPE S BUGLE-HEAD STEEL SCREWS SPACED 12 IN. OC. ALL JOINTS IN FACE LAYERS STAGGERED WITH JOINTS IN BASE LAYERS. ONE LAYER OF GYPSUM BOARD ATTACHED TO OPPOSITE OF WOOD STUD WITHOUT FURRING CHANNELS AS DESCRIBED IN ITEM 3. WHEN ITEM 7, RESILIENT CHANNELS ARE USED, 5/8 IN. THICK, 4 FT. WIDE GYPSUM PANELS APPLIED VERTICALLY. SCREW ATTACHED FURRING CHANNELS WITH 1 IN. LONG, SELF DRILLING, SELF-TAPPING TYPE S OR S-12 STEEL SCREWS SPACED 8 IN. OC. VERTICAL JOINTS LOCATED MIDWAY BETWEEN STUDS.

3A. GYPSUM BOARD - (AS AN ALTERNATE TO ITEM 3) - 5/8 IN. THICK GYPSUM PANELS, WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED EITHER HORIZONTALLY OR VERTICALLY. GYPSUM PANELS FASTENED TO FRAMING WITH 1-1/4 IN. LONG TYPE W COARSE THREAD GYPSUM PANEL STEEL SCREWS SPACED A MAX 8 IN. OC. WITH LAST SCREW 1 IN. FROM EDGE OF BOARD. WHEN USED IN WITH OF OTHER THAN 48 IN., GYPSUM BOARDS ARE TO BE INSTALLED HORIZONTALLY. FINISHED RATING IS 24 MINUTES.

3B. GYPSUM BOARD - (AS AN ALTERNATE TO ITEM 3) - NOM 3/4 IN. THICK, INSTALLED WITH 1-7/8 IN. LONG CEMENT COATED NAILS AS DESCRIBED IN ITEM 3 OR 1-3/8 IN. LONG TYPE W COARSE THREAD GYPSUM PANEL STEEL SCREWS AS DESCRIBED IN ITEM 3A.

3C. GYPSUM BOARD - (AS AN ALTERNATE TO ITEM 3, 3A, AND 3B) - 5/8 IN. THICK, 2 FT. WIDE, TONGUE AND GROOVE EDGE, APPLIED HORIZONTALLY TO ONE SIDE OF THE ASSEMBLY. INSTALLED WITH 1-7/8 IN. LONG CEMENT COATED NAILS AS DESCRIBED IN ITEM 3 OR 1 1/4 IN. LONG TYPE W COARSE THREAD GYPSUM PANEL SCREWS AS DESCRIBED IN ITEM 3A. JOINT COVERING (ITEM 2) NOT REQUIRED.

3D. WALL AND PARTITION FACINGS AND ACCESSORIES - (AS AN ALTERNATE TO ITEMS 3, 3A, 3B, AND 3C, NOT SHOWN) - NOMINAL 5/8 IN. THICK, 4 FT. WIDE PANELS, APPLIED VERTICALLY TO STUDS AND BEARING PLATES ON ONE SIDE OF THE ASSEMBLY WITH 1-5/8 IN. LONG TYPE S SCREWS SPACED 12 IN. OC. AT PERIMETER OF PANELS AND 8 IN. OC IN THE FIELD. HORIZONTAL JOINTS OF VERTICALLY APPLIED PANELS NEED NOT BE BACKED BY STUDS. PANEL JOINTS COVERED WITH PAPER TAPE AND TWO LAYERS OF JOINT COMPOUND. SCREWHEADS COVERED WITH LAYERS OF JOINT COMPOUND. BATTS AND BLANKETS PLACED IN STUD CAVITY AS DESCRIBED ON ITEM 5E. NOT EVALUATED FOR USE WITH STEEL FRAMING MEMBERS, FURRING CHANNELS OR FIBER, SPRAYED.

4. STEEL CORNER FASTENERS - (OPTIONAL) - FOR USE AT WALL CORNERS, CHANNEL SHAPED, 2 IN. LONG BY 1 IN. HIGH ON THE BACK SIDE WITH TWO 1/8 IN. WIDE CLEATS PROTRUDING INTO THE 5/8 IN. WIDE CHANNEL, FABRICATED FROM 24 GAUGE GALV STEEL. FASTENERS APPLIED ONLY TO THE END OR CUT EDGE (NOT ALONG TAPERED EDGES) OF THE GYPSUM BOARD, NO GREATER THAN WIN. FROM CORNER OF GYPSUM BOARD, MAX SPACING 16 IN. CEMENT COATED NAIL PER FASTENER. CORNERS OF WALL BOARD SHALL BE NAILED TO TOP AND BOTTOM PLATE USING NO. 6D CEMENT COATED NAILS.

5. BATTS AND BLANKETS - (OPTIONAL) - REQUIRED WHEN ITEM 6A IS USED - (NOT SHOWN) GLASS FIBER OR MINERAL WOOL INSULATION, PLACED TO COMPLETELY OR PARTIALLY FILL THE STUD CAVITIES. WHEN ITEM 6A IS USED, GLASS FIBER OR MINERAL WOOL INSULATION SHALL BE PLACED TO COMPLETELY FILL THE STUD CAVITIES AND SHALL BE SECURED TO THE STUDS 24 IN. OC WITH STAPLES, NAILS, AND SCREWS.

5A. FIBER, SPRAYED - (NOT SHOWN - NOT FOR USE WITH ITEM 6A) AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) - SPRAY APPLIED CELLULOSE MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. NOMINAL DRY DENSITY OF 3.0 LB/CU FT. ALTERNATE APPLICATION METHOD: THE FIBER IS APPLIED WITH U.S. GREENFIBER LLC TYPE AD-10 HOT MELT ADHESIVE AT A NOMINAL RATIO OF ONE PART ADHESIVE TO 5.6 PARTS FIBER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. NOMINAL DRY DENSITY OF 2.5 LB/CU FT.

5B. FIBER, SPRAYED - (NOT SHOWN - NOT FOR USE WITH ITEM 6A) AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 5) AND ITEM 5A - SPRAY APPLIED CELLULOSE INSULATION MATERIAL. THE FIBER IS APPLIED WITH WATER TO INTERIOR SURFACES IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. APPLIED TO COMPLETELY FILL THE ENCLOSURE CAVITY. MINIMUM DRY DENSITY OF 4.3 LB/CU FT.

5C. BATTS AND BLANKETS - REQUIRED FOR USE WITH RESILIENT CHANNELS, ITEM 7, 3 IN. THICK MINERAL WOOL BATTS, PLACED TO FILL INTERIOR OF WALL, ATTACHED TO THE 4 IN. FACE OF THE STUDS WITH STAPLES PLACED 24 IN. OC.

5D. GLASS FIBER INSULATION - (AS AN ALTERNATE TO ITEM 5C) - 3 IN. THICK GLASS FIBER BATTS BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING AND / OR FIRE RESISTANCE, PLACED TO FILL THE INTERIOR OF THE WALL, ATTACHED TO THE 4 IN. FACE OF THE STUDS WITH STAPLES PLACED 24 IN. OC. SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF MANUFACTURERS.

6. STEEL FRAMING MEMBERS (OPTIONAL, NOT SHOWN) - FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW:

A. FURRING CHANNELS - FORMED OF NO. 25 MSG GALV STEEL, 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM 6. ENDS OF ADJOINING CHANNELS ARE OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 SWG GALV STEEL WIRE NEAR EACH END OF OVERLAP. BATTS AND BLANKETS PLACED IN STUD CAVITY AS DESCRIBED IN ITEM 5. TWO LAYERS OF GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 3.

B. STEEL FRAMING MEMBERS - USED TO ATTACH FURRING CHANNELS (ITEM 6A) TO STUDS. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER GROMETT. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

6A. STEEL FRAMING MEMBERS (OPTIONAL, NOT SHOWN) - FURRING CHANNELS AND STEEL FRAMING MEMBERS ON ONE SIDE OF THE STUDS AS DESCRIBED BELOW:

A. FURRING CHANNELS - FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM 6. ENDS OF ADJOINING CHANNELS ARE OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 SWG GALV STEEL WIRE NEAR EACH END OF OVERLAP. BATTS AND BLANKETS PLACED IN STUD CAVITY AS DESCRIBED IN ITEM 5. TWO LAYERS OF GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 3.

B. STEEL FRAMING MEMBERS - USED TO ATTACH FURRING CHANNELS (ITEM 6A) TO ONE SIDE OF STUDS ONLY. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH TWO NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREWS, ONE THROUGH THE HOLE AT EACH END OF THE CLIP. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

7. FURRING CHANNEL - OPTIONAL - NOT SHOWN - FOR USE ON ONE SIDE OF THE WALL - RESILIENT CHANNELS, 25 MSG GALV STEEL, SPACED VERTICALLY 24 IN. OC, FLANGE PORTION SCREW ATTACHED TO ONE SIDE OF STUDS WITH 1-1/4 IN. LONG DIAMOND SHAPED POINT, DOUBLE HEAD PHILLIPS HEAD STEEL SCREWS. WHEN RESILIENT CHANNELS ARE USED, INSULATION, ITEMS 5C OR 5D IS REQUIRED.

8. CAULKING AND SEALANTS - (NOT SHOWN, OPTIONAL) A BEAD OF ACOUSTICAL SEALANT APPLIED AROUND THE PARTITION PERIMETER FOR SOUND CONTROL.

9. STC RATING - THE STC RATING OF THE WALL ASSEMBLY IS 56 WHEN IT IS CONSTRUCTED AS DESCRIBED BY ITEMS 1 THROUGH 6 EXCEPT:

A. ITEM 1, ABOVE - NAILHEADS SHALL BE COVERED WITH JOINT COMPOUND.

B. ITEM 2, ABOVE - JOINTS AS DESCRIBED, SHALL BE COVERED WITH FIBER TAPE AND JOINT COMPOUND.

C. ITEM 5, ABOVE - BATTS AND BLANKETS - THE CAVITIES FORMED BT THE STUDS SHALL BE FRICTION FIT WITH R-19 UNFACED FIBERGLASS INSULATION BATTS MEASURING 6-1/4 IN. THICK AND 15-1/4 IN. WIDE.

D. ITEM 6, ABOVE - STEEL FRAMING MEMBERS - SHALL BE USED TO ATTACH GYPSUM BOARD TO STUDS ON EITHER ACOUSTICAL SOURCE OR RECEIVING SIDE OF THE WALL ASSEMBLY.

E. ITEM 7, ABOVE - CAULKING AND SEALANTS (NOT SHOWN) A BEAD OF ACOUSTICAL SEALANT SHALL BE APPLIED AROUND THE PARTITION PERIMETER FOR SOUND CONTROL.

F. STEEL CORNER FASTENERS (ITEM 4), FIBER, SPRAYED (ITEMS 5A AND 5B) AND STEEL FRAMING MEMBERS (ITEM 6A), NOT EVALUATED AS ALTERNATIVES FOR OBTAINING STC RATING.

BEARING THE UL CLASSIFICATION MARK

B. STEEL FRAMING MEMBERS - USED TO ATTACH FURRING CHANNELS (ITEM A) TO THE WOOD JOISTS (ITEM 2), WHEN WOOD JOISTS ARE SPACED 19.2 IN. OC, CLIPS SPACED A MAX OF 38.4 IN. OC. WHEN WOOD JOISTS ARE SPACED 16 OR 24 IN. OC, CLIPS SPACED A MAX OF 48 IN. OC. GENE CLIPS SECURED TO ALTERNATING JOISTS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER HOLE. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. ADDITIONAL CLIPS REQUIRED TO HOLD FURRING CHANNEL THAT SUPPORTS THE WALLBOARD BUTT JOINTS, AS DESCRIBED IN ITEM 5.

PLITEC INC. - TYPE GENE CLIP

5. GYPSUM BOARD - TWO LAYERS OF 1/2 IN. OR 5/8 IN. THICK BY 4 FT. WIDE GYPSUM PANELS, INSTALLED PERPENDICULAR TO RESILIENT CHANNELS (ITEM 4). THE BASE LAYER OF PANELS SCREW ATTACHED TO THE RESILIENT CHANNELS WITH 1 IN. LONG TYPE S SCREWS SPACED 8 IN. OC AT THE BUTT JOINTS AND 16 IN. OC IN THE FIELD OF THE PANEL. THE FACE LAYER SCREW ATTACHED TO THE RESILIENT CHANNELS WITH 1-5/8 IN. TYPE S SCREWS SPACED 8 IN. OC AT THE BUTT JOINTS AND 16 IN. OC IN THE FIELD OF THE PANEL. THE FACE LAYER SCREW ATTACHED TO THE CROSS TEES. THE BASE LAYER OF PANELS FASTENED TO CROSS TEES WITH 1 IN. LONG TYPE S SCREWS SPACED 8 IN. OC AT THE BUTT JOINTS AND 16 IN. OC IN THE FIELD OF THE PANEL. THE FACE LAYER SCREW ATTACHED TO THE CROSS TEES WITH 1-5/8 IN. TYPE S SCREWS SPACED 8 IN. OC AND 1-1/2 IN. TYPE S SCREWS SPACED 8 IN. OC AT THE BUTT JOINTS LOCATED MID-SPAN BETWEEN CROSS TEES. SCREWS ALONG SIDES AND ENDS OF PANELS SPACED 3/8 TO 1/2 IN. FROM PANEL EDGE. END JOINTS OF PANELS SHALL BE STAGGERED WITH SPACING BETWEEN JOINTS ON ADJACENT PANELS NOT LESS THAN 4 FT. OC. WHEN STEEL FRAMING MEMBERS (ITEM 4A) ARE USED, PANELS INSTALLED WITH LONG DIMENSION PARALLEL WITH JOISTS. BASE LAYER ATTACHED TO THE FURRING CHANNELS USING 1 IN. LONG TYPE S BUGLE-HEAD STEEL SCREWS SPACED 8 IN. OC ALONG BUTTED END JOINTS AND 12 IN. OC IN THE FIELD OF THE PANELS. BUTTED END JOINTS SHALL BE STAGGERED MIN. 3 FT. WITHIN THE ASSEMBLY, AND OCCUR MIDWAY BETWEEN THE CONTINUOUS FURRING CHANNELS. EACH END OF THE GYPSUM PANELS SHALL BE SUPPORTED BY A SINGLE LENGTH OF FURRING CHANNEL. BUTTED SIDE JOINTS OF OUTER LAYER TO BE OFFSET MIN 12 IN. FROM BUTTED SIDE JOINTS OF BASE LAYER. WHEN STEEL FRAMING MEMBERS (ITEM 4A) ARE USED, PANELS INSTALLED WITH LONG DIMENSION PARALLEL WITH JOISTS. BASE LAYER ATTACHED TO THE FURRING CHANNELS USING 1 IN. LONG TYPE S BUGLE-HEAD STEEL SCREWS SPACED 8 IN. OC ALONG BUTTED END JOINTS AND 12 IN. OC IN THE FIELD OF THE PANELS. BUTTED END JOINTS SHALL BE STAGGERED MIN. 3 FT. WITHIN THE ASSEMBLY, AND OCCUR MIDWAY BETWEEN THE CONTINUOUS FURRING CHANNELS. EACH END OF THE GYPSUM PANELS SHALL BE SUPPORTED BY A SINGLE LENGTH OF FURRING CHANNEL. BUTTED SIDE JOINTS OF OUTER LAYER TO BE OFFSET MIN 12 IN. FROM BUTTED SIDE JOINTS OF BASE LAYER.

CCC INC. - 1/2 IN. TYPE C, IP-X2, IPC-AR; 5/8 IN. TYPE C, SCX, IP-X1, IP-X2.

UNITED STATES GYPSUM CO. - 1/2 IN. TYPE C, IP-X2, IPC-AR; 5/8 IN. TYPE C, SCX, IP-X1, IP-X2.

USG MEXICO S A DE C V - 1/2 IN. TYPE C, IP-X2, IPC-AR; 5/8 IN. TYPE C, SCX, IP-X1, IP-X2.

6. FINISHING SYSTEM -- FIBER TAPE EMBEDDED IN COMPOUND OVER JOINTS AND EXPOSED NAIL HEADS, COVERED WITH COMPOUND WITH EDGES OF COMPOUND FEATHERED OUT. AS AN ALTERNATE, NOM 3/32 IN. THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD, JOINTS REINFORCED.

BEARING THE UL CLASSIFICATION MARK

3A. INSULATION - LOOSE FILL MATERIAL - (AS AN ALTERNATE TO ITEM 3 - ANY THICKNESS OF LOOSE FILL MATERIAL BEARING THE UL CLASSIFICATION MARKING FOR SURFACE BURNING CHARACTERISTICS, APPLIED WITHIN THE CONCEALED SPACE, OVER THE RESILIENT OR FURRING CHANNEL/GYPSUM PANEL, OR STEEL FRAMING MEMBERS/GYPSUM PANEL, CEILING MEMBRANE.

3B. INSULATION - BATTS AND BLANKETS - (FOR USE WHEN STRUCTURAL WOOD MEMBERS ARE SPACED 24 IN OC) - MIN. 1 IN. THICK GLASS FIBER INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE DRAPED OVER THE RESILIENT CHANNEL/GYPSUM PANEL (OR STEEL FRAMING MEMBERS/GYPSUM PANEL) CEILING MEMBRANE.

4. RESILIENT CHANNELS - FORMED OF NO. 25 MSG GALV STEEL, 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED 24 IN. OC, PERPENDICULAR TO THE JOISTS, SPACED A MAX OF 24 IN. OC. WHEN NO INSULATION IS USED, ENDS OF ADJOINING CHANNELS ARE OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 SWG GALV STEEL WIRE NEAR EACH END OF OVERLAP. BATTS AND BLANKETS PLACED IN STUD CAVITY AS DESCRIBED IN ITEM 5. TWO LAYERS OF GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 3.

4A. ALTERNATE STEEL FRAMING MEMBERS - (NOT SHOWN) - AS AN ALTERNATE TO ITEM 4, MAIN RUNNERS, CROSS TEES, CROSS CHANNELS AND WALL ANGLE AS LISTED BELOW.

A. MAIN RUNNERS - NOM 10 OR 12 FT. LONG, 15/16 IN. OR 1-1/2 IN. WIDE FACE, SPACED 4 FT. OC. MAIN RUNNERS SUSPENDED BY MIN 12 SWG GALV STEEL HANGER WIRES SPACED 48 IN. OC. HANGER WIRES TO BE LOCATED ADJACENT TO MAIN RUNNER/CROSS TEE INTERSECTIONS. HANGER WIRES WRAPPED AND TWIST-TIED ON 16D NAILS DRIVEN IN TO SIDE OF JOISTS AT LEAST 5 IN. ABOVE THE BOTTOM FACE.

B. CROSS TEES - NOM 4 FT. LONG, 1-1/2 IN. WIDE FACE, INSTALLED PERPENDICULAR TO THE MAIN RUNNERS, SPACED 16 IN. OC. ADDITIONAL CROSS TEES OR CROSS CHANNELS USED AT 8 IN. FROM EACH SIDE OF BUTTED GYPSUM PANEL END JOINTS. THE CROSS TEES OR CROSS CHANNELS MAY BE RIVETED OR SCREW ATTACHED TO THE WALL ANGLE OR CHANNEL TO FACILITATE THE CEILING INSTALLATION.

C. CROSS CHANNELS - NOM 4 OR 12 FT. LONG, INSTALLED PERPENDICULAR TO MAIN RUNNERS, SPACED 16 IN. OC. WHEN BATTS AND BLANKETS (ITEM 5) ARE USED, CROSS CHANNELS SPACED 16 IN. OC.

D. WALL ANGLE OR CHANNEL - PAINTED OR GALV STEEL ANGLE WITH 1 IN. LEGS OR CHANNEL WITH 1 IN. LEGS, 1-5/8 IN. DEEP ATTACHED TO WALLS AT PERIMETER OF CEILING WITH FASTENERS 16 IN. OC. TO SUPPORT STEEL FRAMING MEMBER ENDS AND FOR SCREW ATTACHMENT OF THE GYPSUM PANELS.

CCC INC. - TYPE DGL OR RX.

USG INTERIORS INC. - TYPE DGL OR RX.

4B. ALTERNATE STEEL FRAMING MEMBERS - (NOT SHOWN) - AS AN ALTERNATE TO ITEMS 4 AND 4A, FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW.

A. FURRING CHANNELS - FORMED OF NO. 25 MSG GALV STEEL, 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED 16 IN. OC, PERPENDICULAR TO JOISTS. CHANNELS SECURED TO JOISTS AS DESCRIBED IN ITEM 6. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 SWG GALV STEEL WIRE NEAR EACH END OF OVERLAP.

B. STEEL FRAMING MEMBERS - USED TO ATTACH FURRING CHANNELS (ITEM A) TO THE WOOD JOISTS (ITEM 2). CLIPS SPACED A MAX OF 38.4 IN. OC. SECURED TO ALTERNATING JOISTS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER GROMETT. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. ADDITIONAL CLIPS REQUIRED TO HOLD FURRING CHANNEL THAT SUPPORTS THE WALLBOARD BUTT JOINTS, AS DESCRIBED IN ITEM 5.

PAC INTERNATIONAL INC. - TYPE RSC-1

4C. ALTERNATE STEEL FRAMING MEMBERS - (NOT SHOWN) - AS AN ALTERNATE TO ITEMS 4, 4A, AND 4B, FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW.

A. FURRING CHANNELS - FORMED OF NO. 25 MSG GALV STEEL, 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED 24 IN. OC, PERPENDICULAR TO JOISTS. WHEN INSULATION, ITEMS 3, 3A, OR 3B IS USED, THE FURRING CHANNEL SPACING SHALL BE REDUCED TO 16 IN. OC. CHANNELS SECURED TO JOISTS AS DESCRIBED IN ITEM 6. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 SWG GALV STEEL WIRE NEAR EACH END OF OVERLAP.

B. STEEL FRAMING MEMBERS - USED TO ATTACH FURRING CHANNELS (ITEM A) TO THE WOOD JOISTS (ITEM 2). CLIPS SPACED A MAX OF 38.4 IN. OC. SECURED TO ALTERNATING JOISTS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER GROMETT. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. ADDITIONAL CLIPS REQUIRED TO HOLD FURRING CHANNEL THAT SUPPORTS THE WALLBOARD BUTT JOINTS, AS DESCRIBED IN ITEM 5.

4C. ALTERNATE STEEL FRAMING MEMBERS - (NOT SHOWN) - AS AN ALTERNATE TO ITEMS 4, 4A, AND 4B, FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW.

A. FURRING CHANNELS - FORMED OF NO. 25 MSG GALV STEEL, 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED 24 IN. OC, PERPENDICULAR TO JOISTS. WHEN INSULATION, ITEMS 3, 3A, OR 3B IS USED, THE FURRING CHANNEL SPACING SHALL BE REDUCED TO 16 IN. OC. CHANNELS SECURED TO JOISTS AS DESCRIBED IN ITEM 6. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 SWG GALV STEEL WIRE NEAR EACH END OF OVERLAP.

B. STEEL FRAMING MEMBERS - USED TO ATTACH FURRING CHANNELS (ITEM A) TO THE WOOD JOISTS (ITEM 2). CLIPS SPACED A MAX OF 38.4 IN. OC. SECURED TO ALTERNATING JOISTS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER GROMETT. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. ADDITIONAL CLIPS REQUIRED TO HOLD FURRING CHANNEL THAT SUPPORTS THE WALLBOARD BUTT JOINTS, AS DESCRIBED IN ITEM 5.

PROJECT NO:

24-4553

DRAWN BY:

AJS/

DATE:

10-11-2024



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4717 PRESTON HIGHWAY
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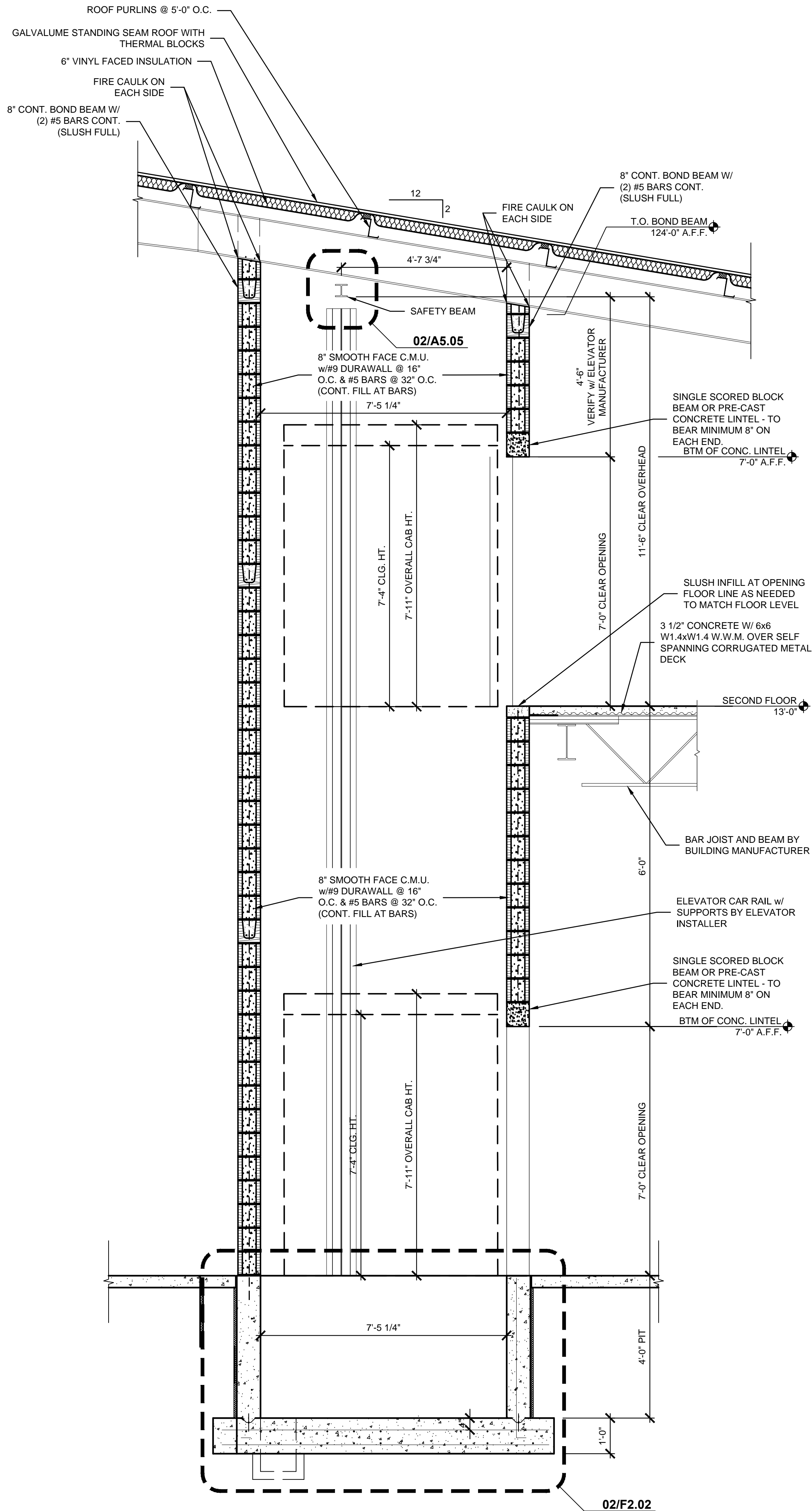
NEW BUILDING FOR
**EVANGEL CHRISTIAN
NEW SCHOOL**
6800 BILLTOWN RD.
LOUISVILLE, KY 40299

RATED WALL SECTIONS

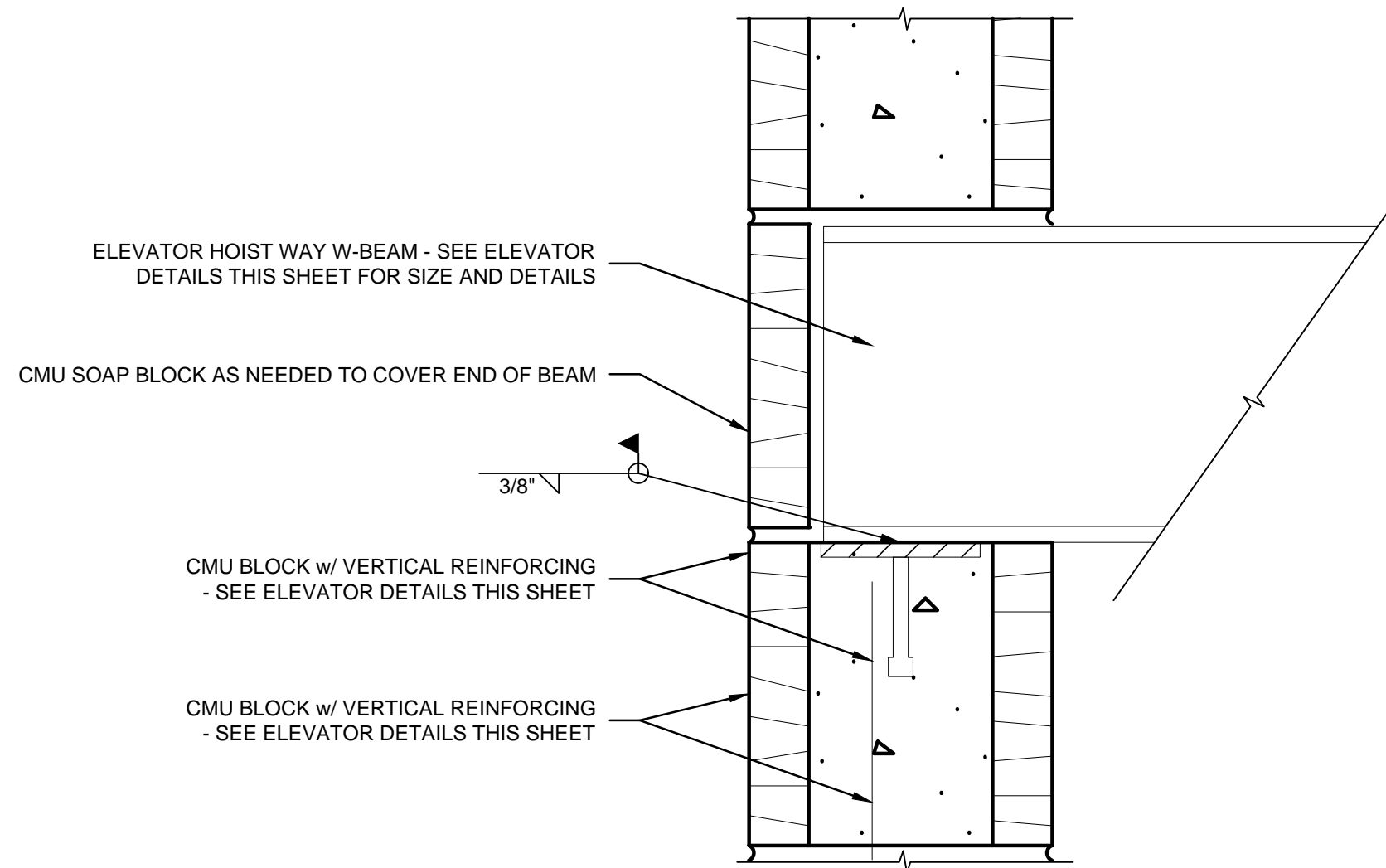
A5.04

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PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: A5.05 Elevator Details.dwg - DATE: Oct 11, 2024 4:27PM - BY: TY M. MOORE



01 SECTION @ ELEVATOR
SCALE: 1/2" = 1'-0"



02 HOIST BEAM POCKET DETAIL
SCALE: 3" = 1'-0"

PROJECT NO:
24-4553
DRAWN BY:
AJS/
DATE:
10-11-2024



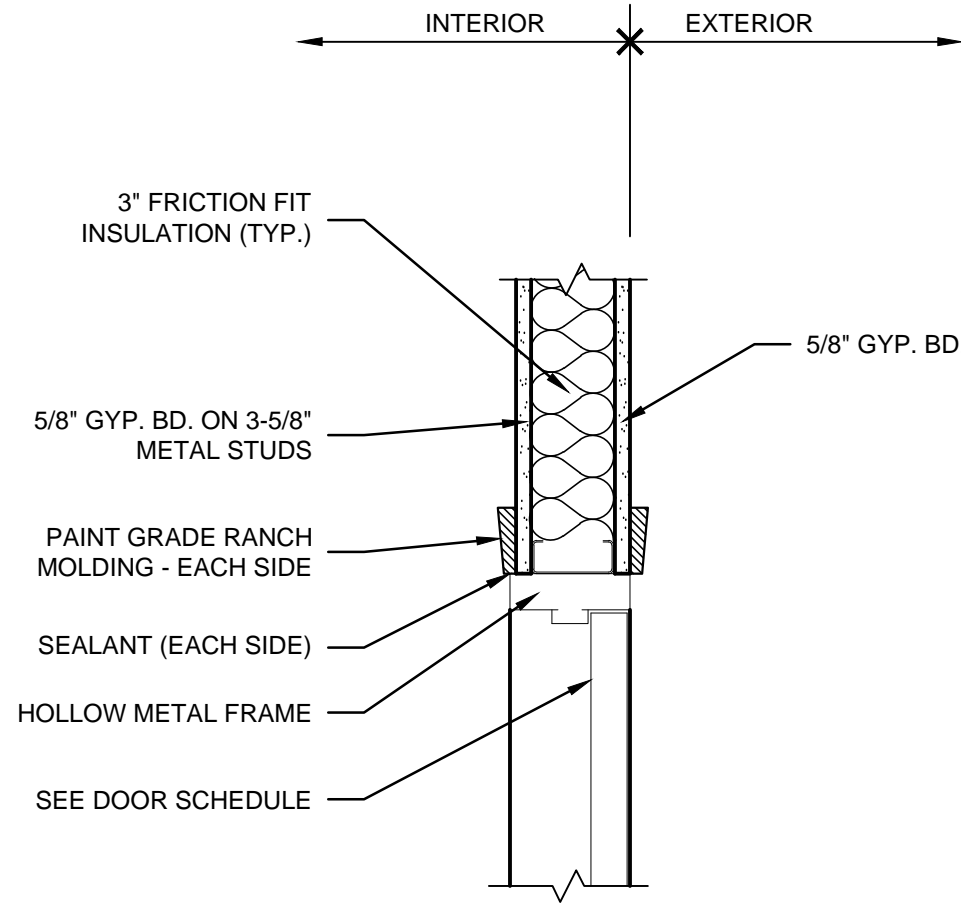
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NEW BUILDING FOR
**EVANGEL CHRISTIAN
NEW SCHOOL**
6900 BILLTOWN RD.
LOUISVILLE, KY 40289

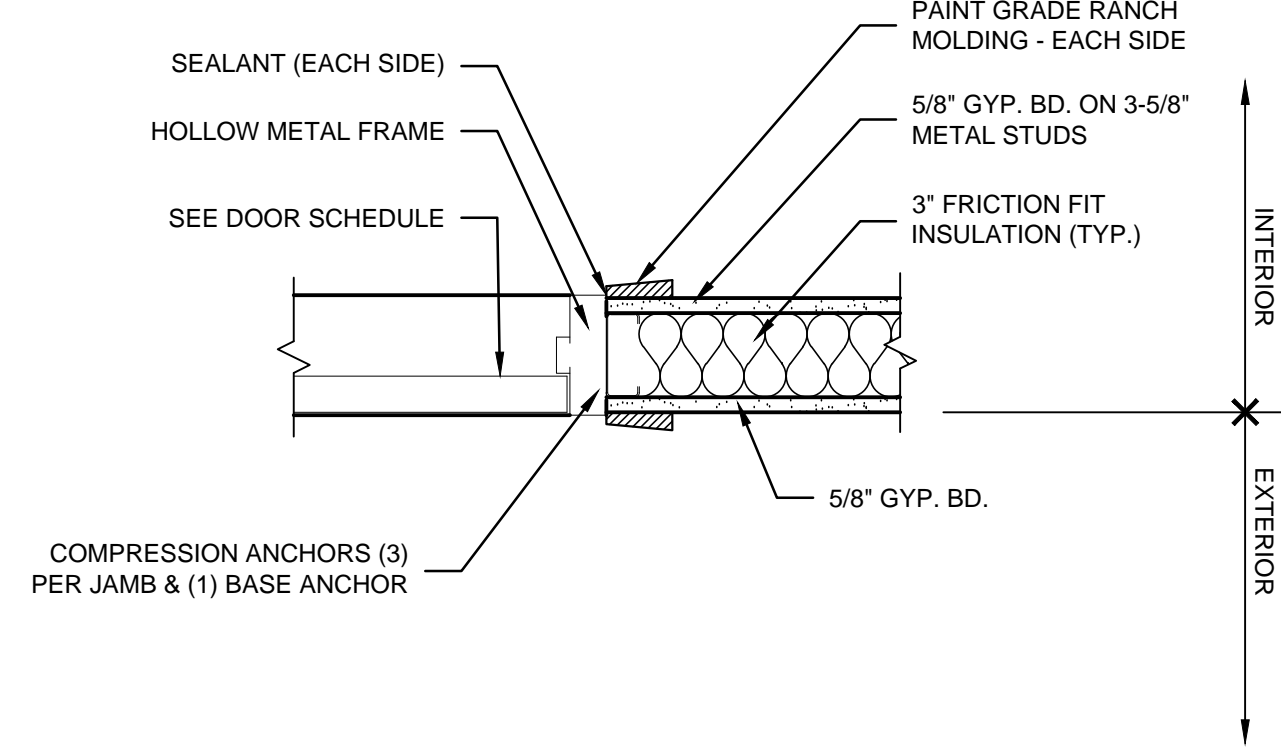
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ELEVATOR DETAILS
A5.05

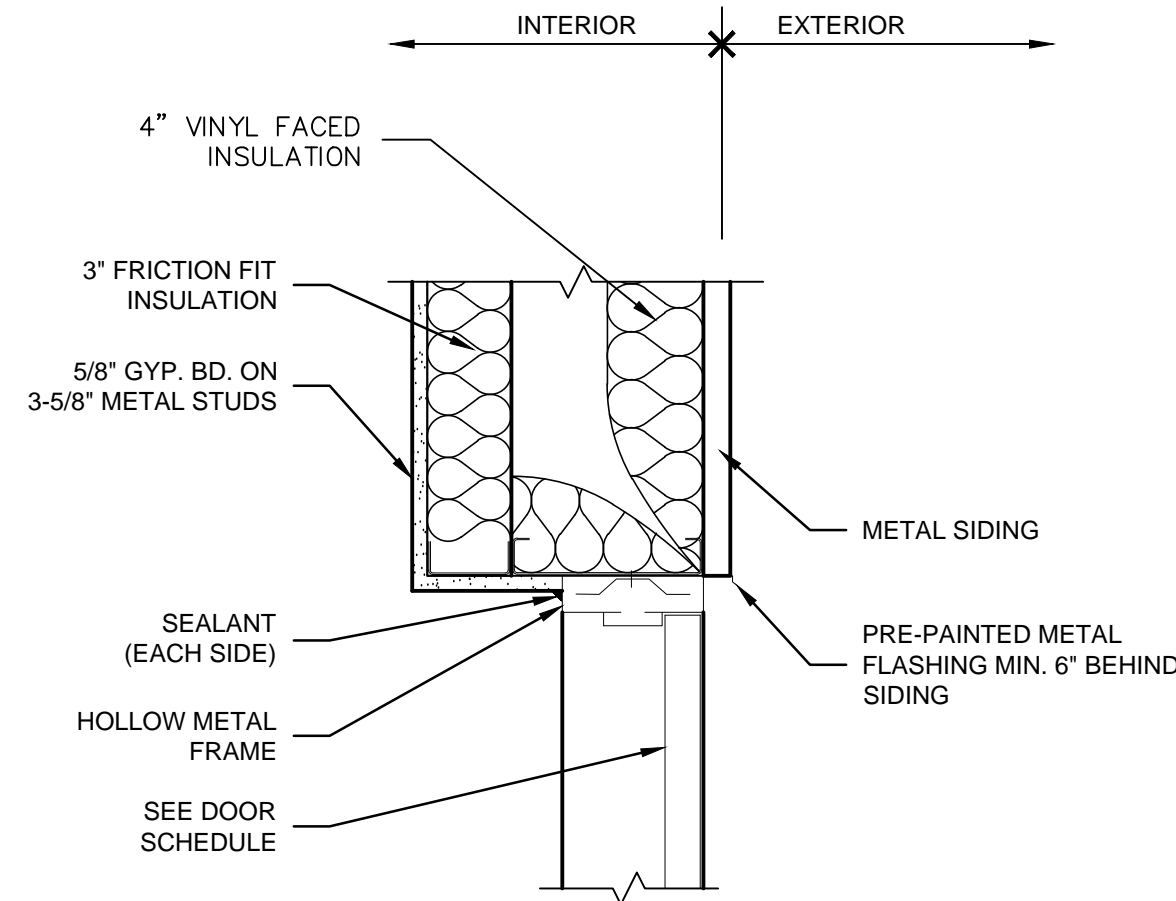
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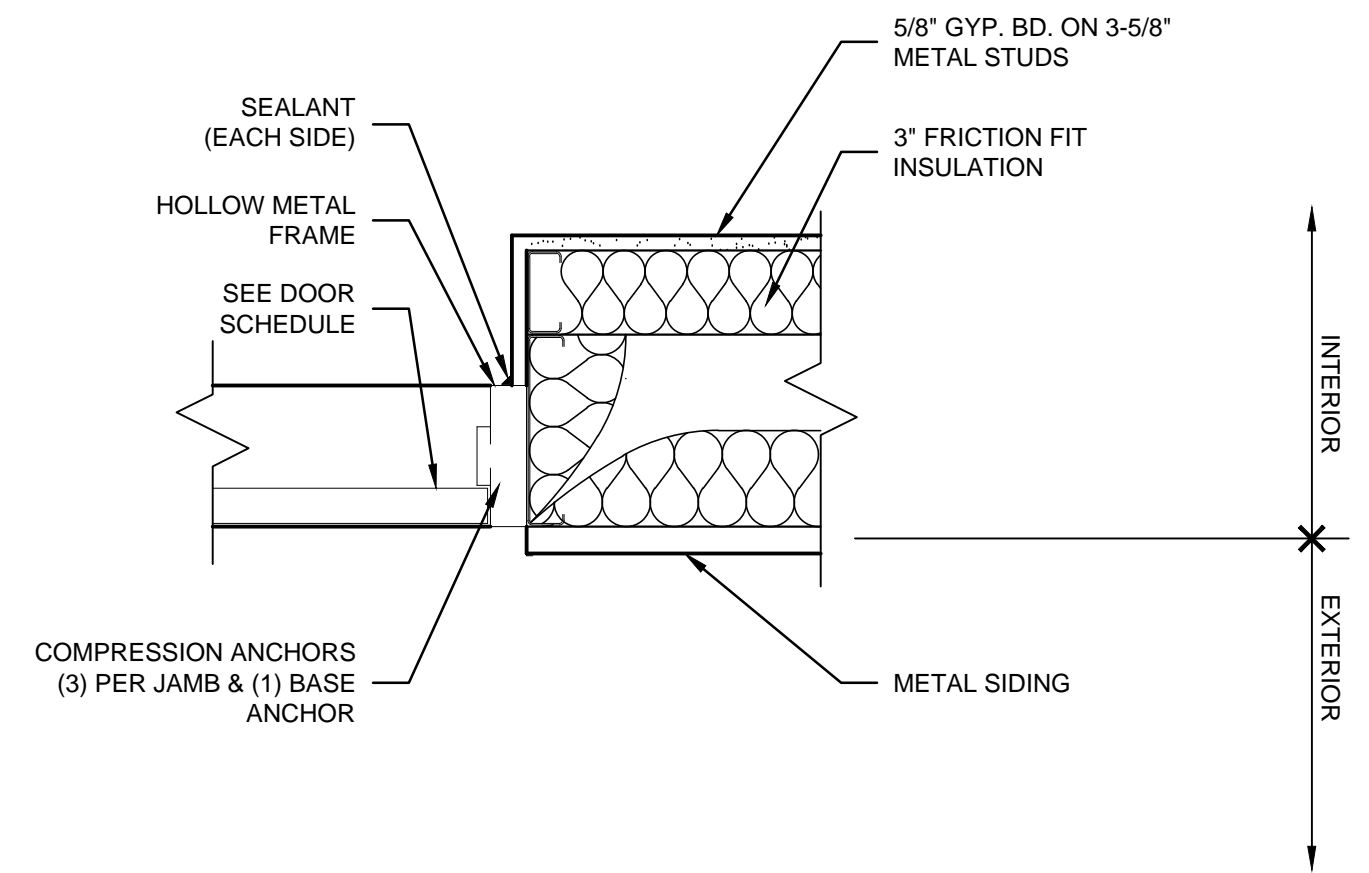
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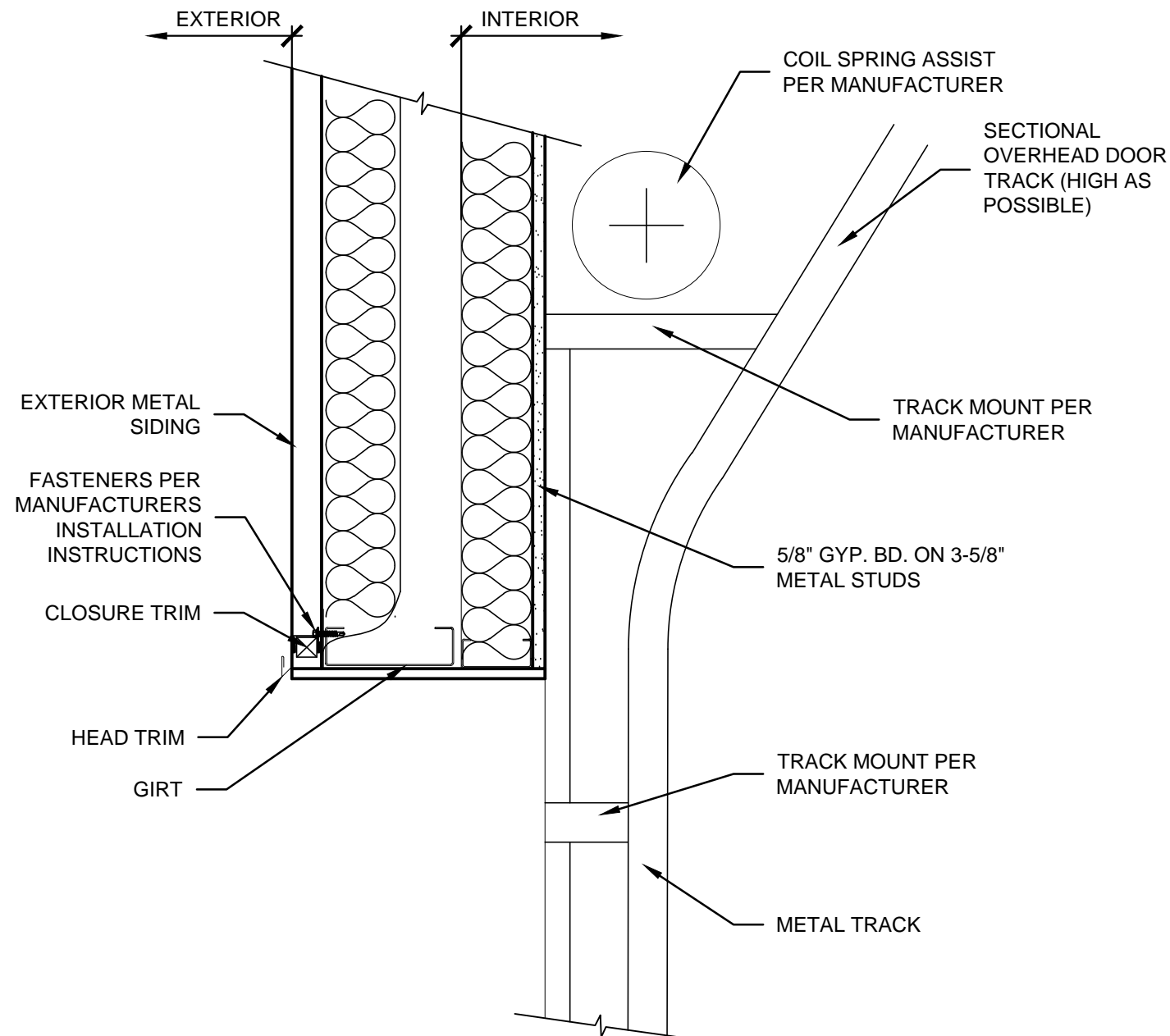
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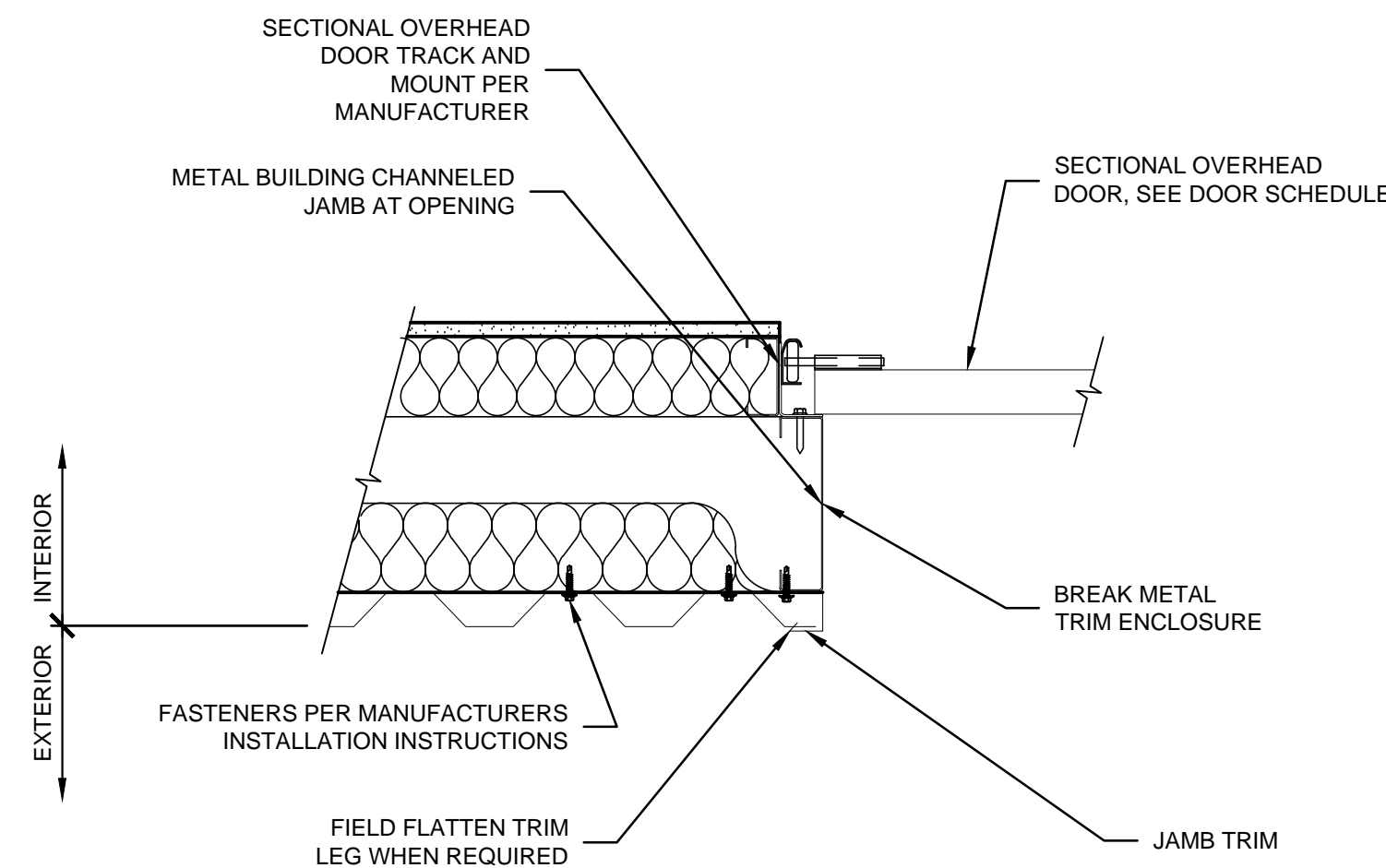
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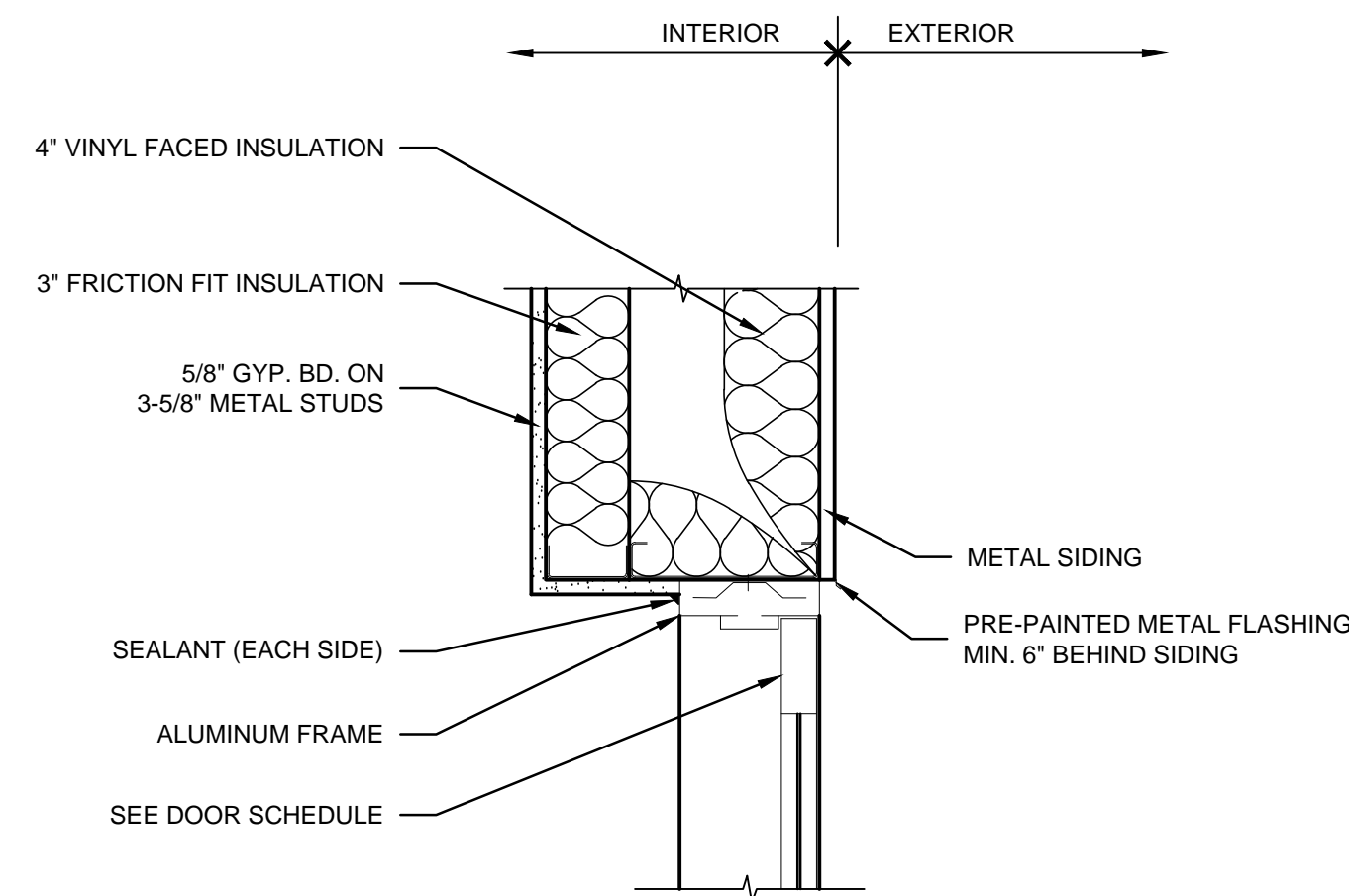
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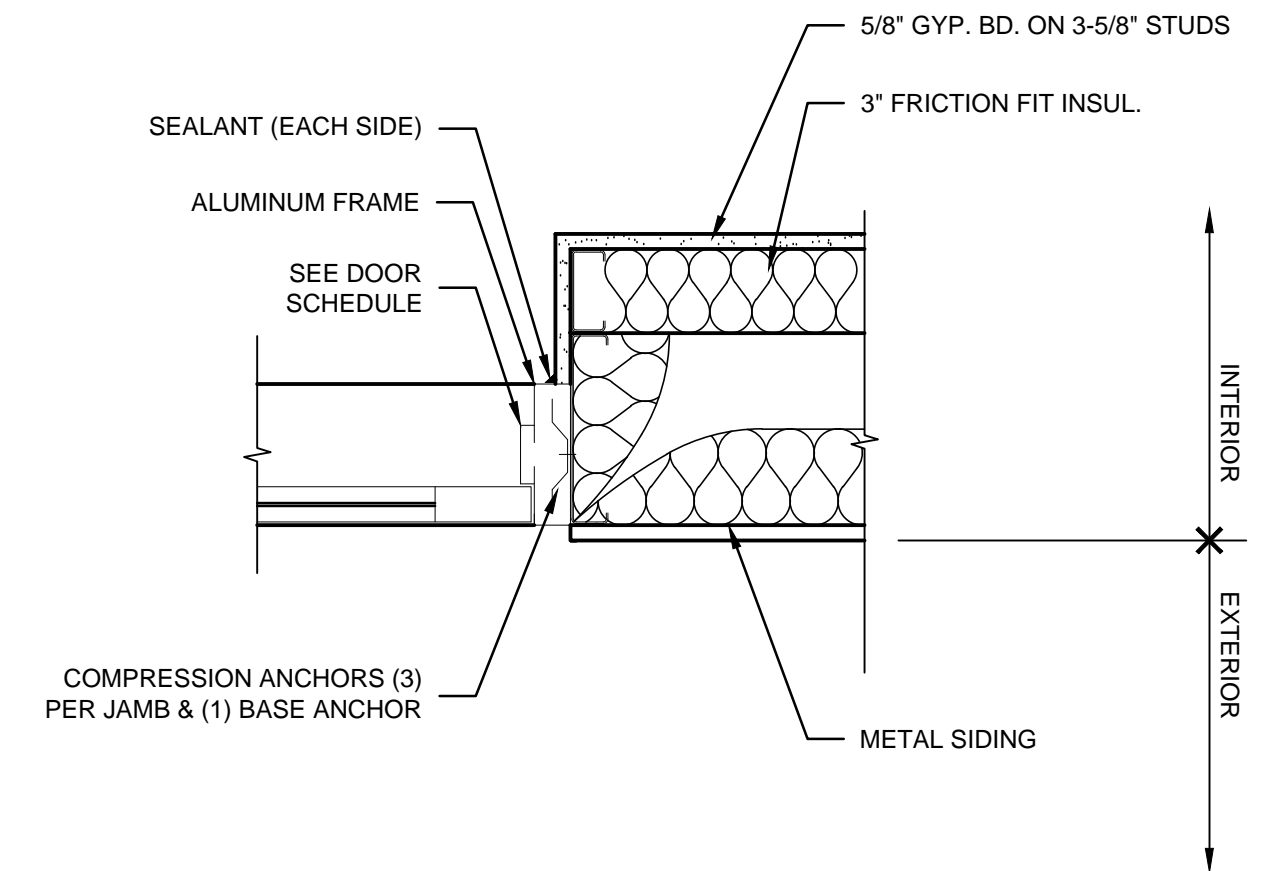
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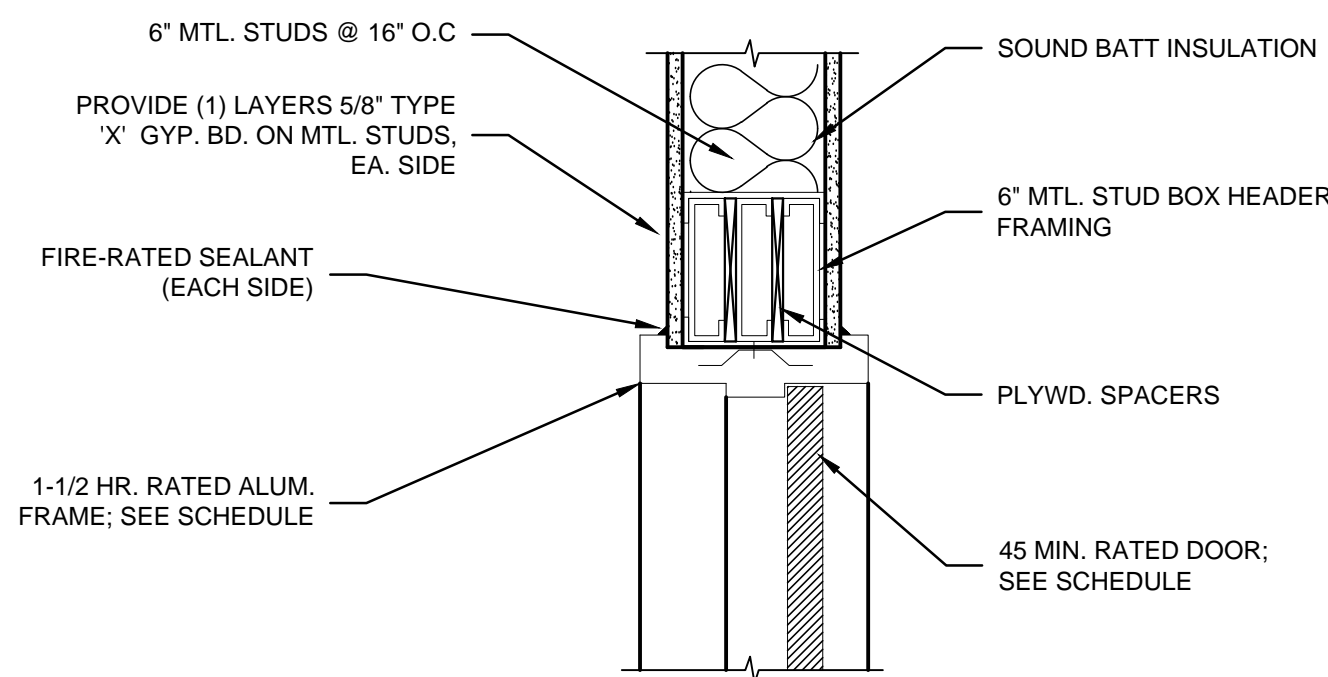
06 OVERHEAD DOOR JAMB
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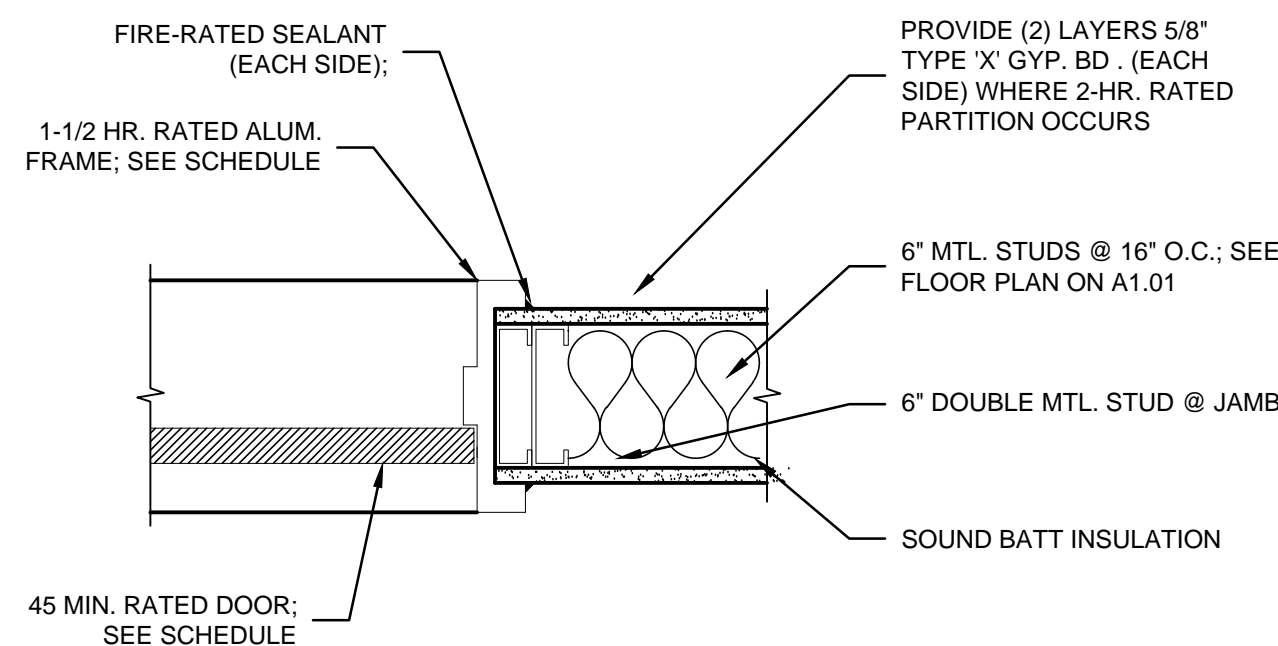
07 ALUMINUM DOOR HEAD
SCALE: 1-1/2" = 1'-0"



08 ALUMINUM DOOR JAMB
SCALE: 1-1/2" = 1'-0"



09 H.M. DOOR JAMB - U.L. 419
SCALE: 1-1/2" = 1'-0"



10 H.M. DOOR JAMB - U.L. 419
SCALE: 1-1/2" = 1'-0"

PROJECT NO:
24-4553
DRAWN BY:
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DATE:
10-11-2024



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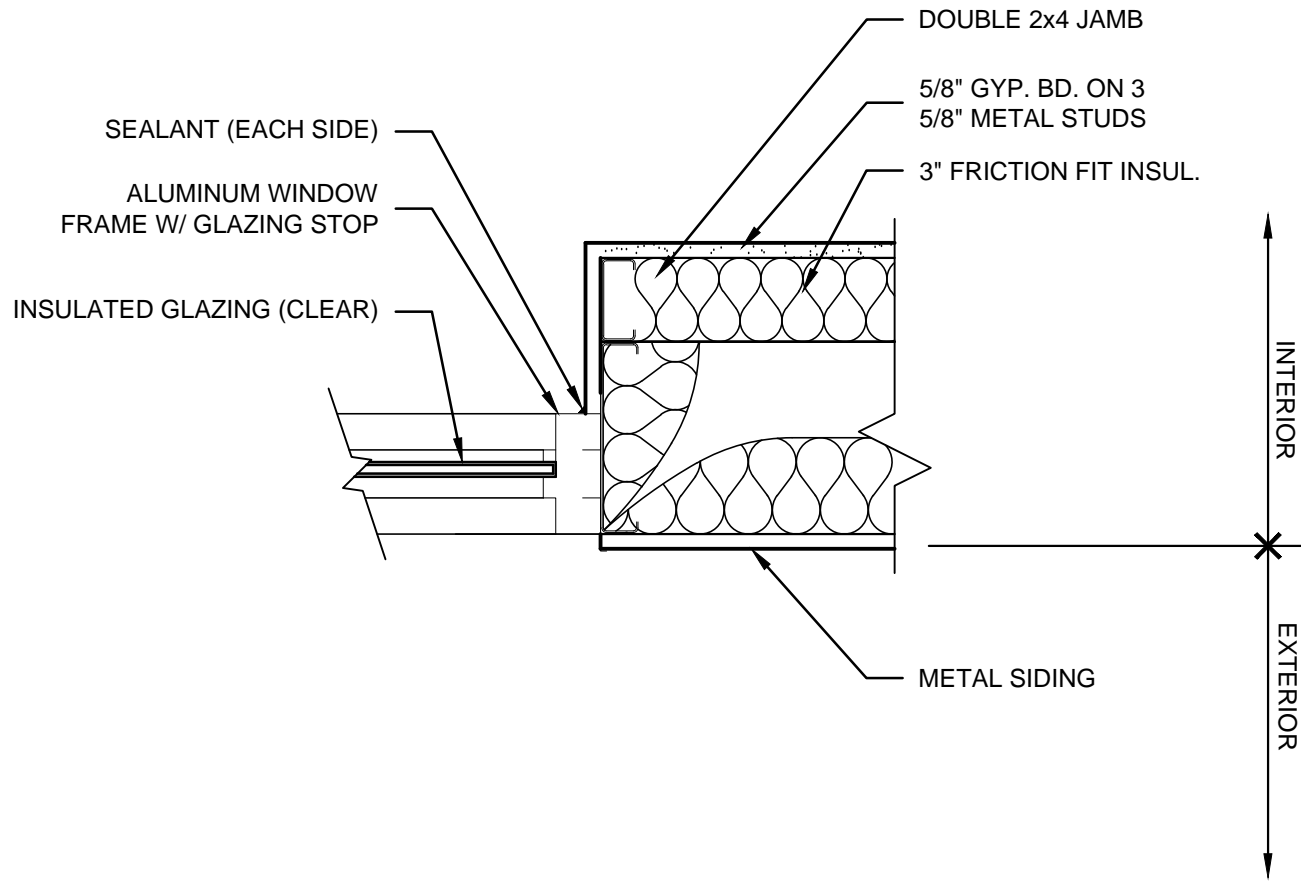
NEW BUILDING FOR
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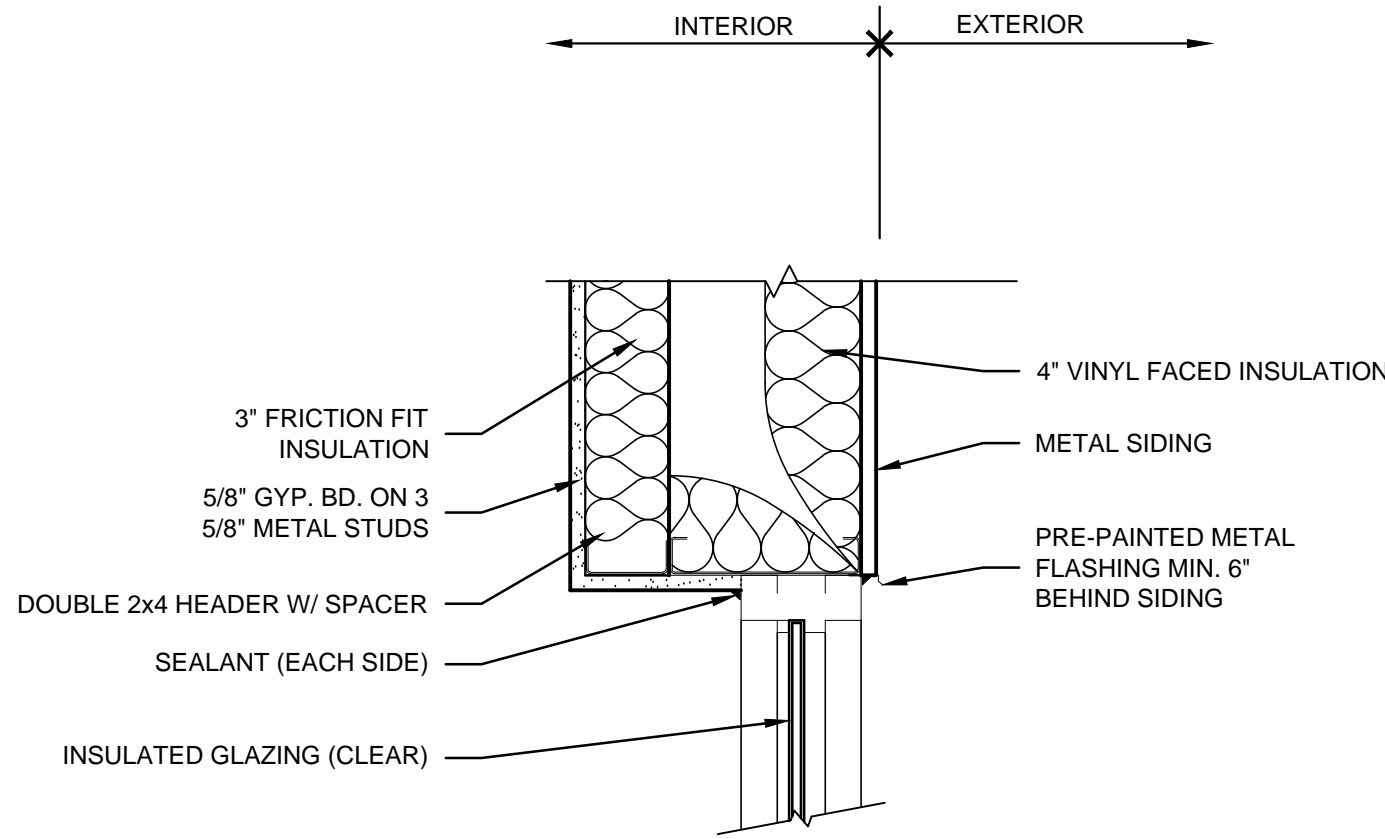
DOOR DETAILS

A6.01

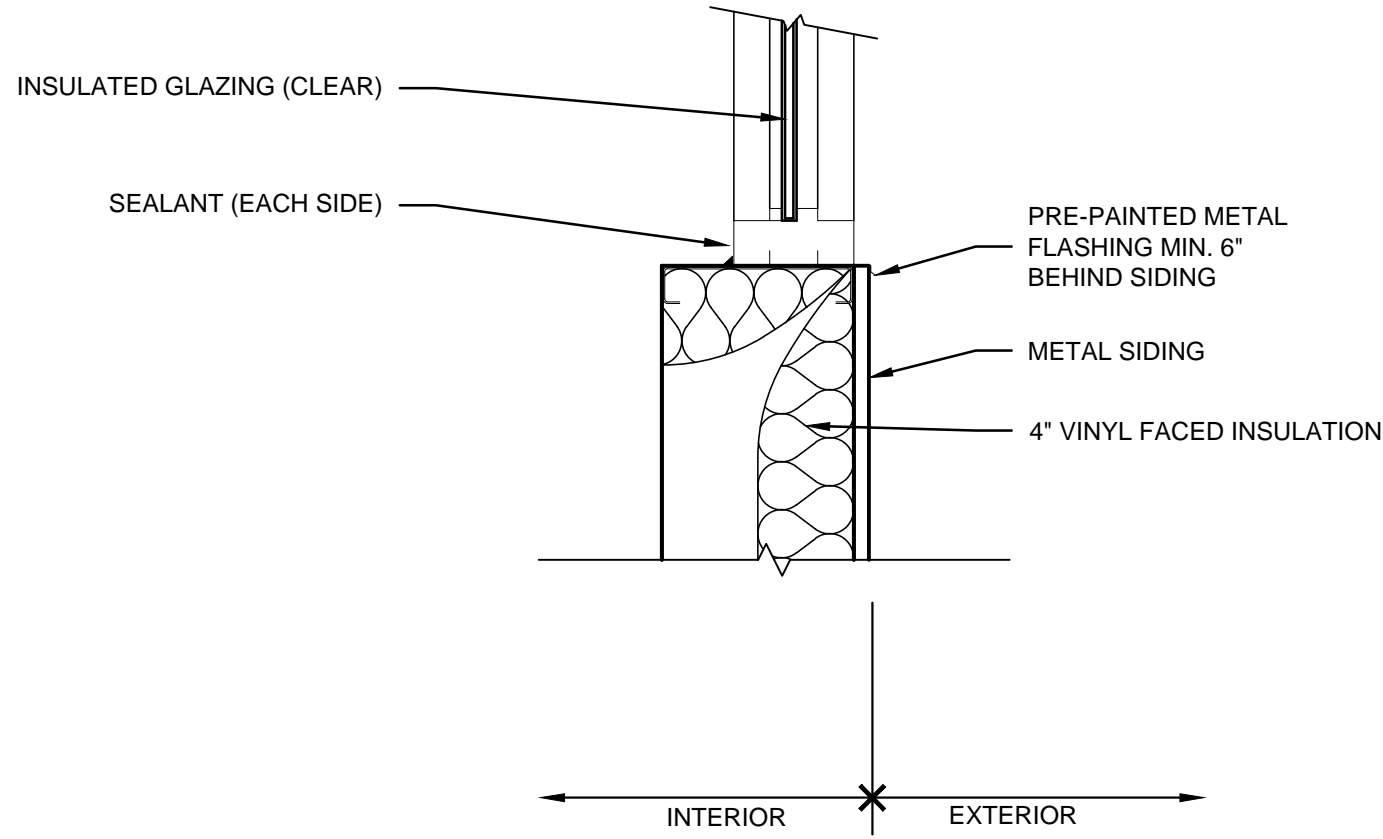
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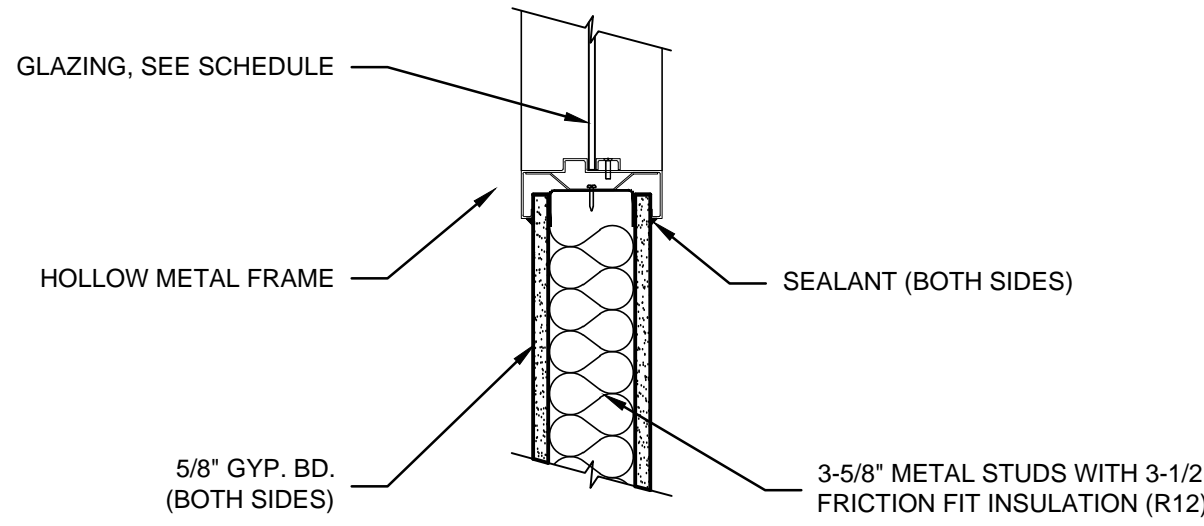
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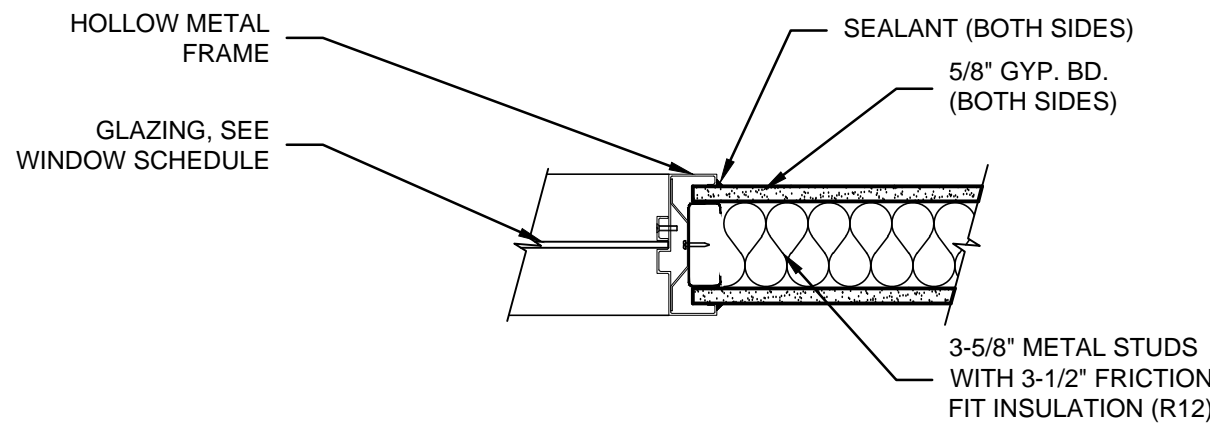
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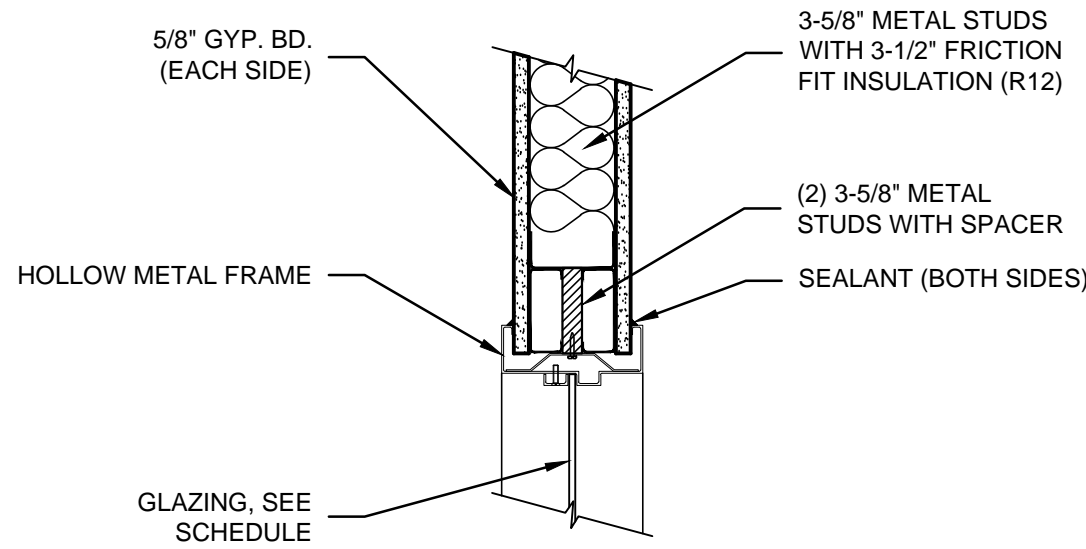
03 ALUMINUM WINDOW SILL
SCALE: 1 1/2" = 1'-0"



04 H.M. WINDOW SILL
SCALE: 1 1/2" = 1'-0"



05 H.M. WINDOW JAMB
SCALE: 1 1/2" = 1'-0"



06 H.M. WINDOW HEAD
SCALE: 1 1/2" = 1'-0"

PROJECT NO:
24-4553
DRAWN BY:
AJS/
DATE:
10-11-2024



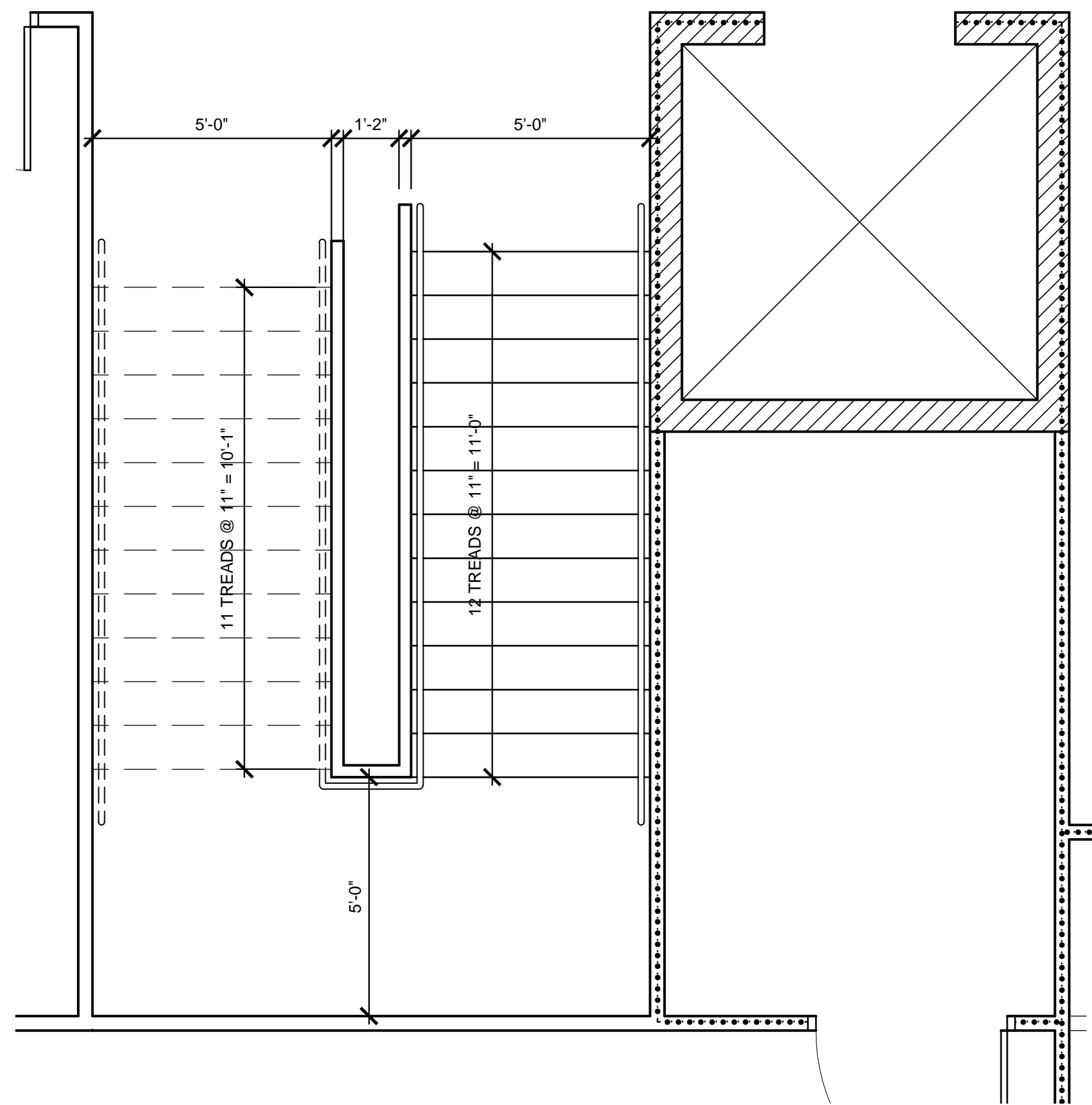
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NEW BUILDING FOR
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NEW SCHOOL**
6900 BILLTOWN RD.
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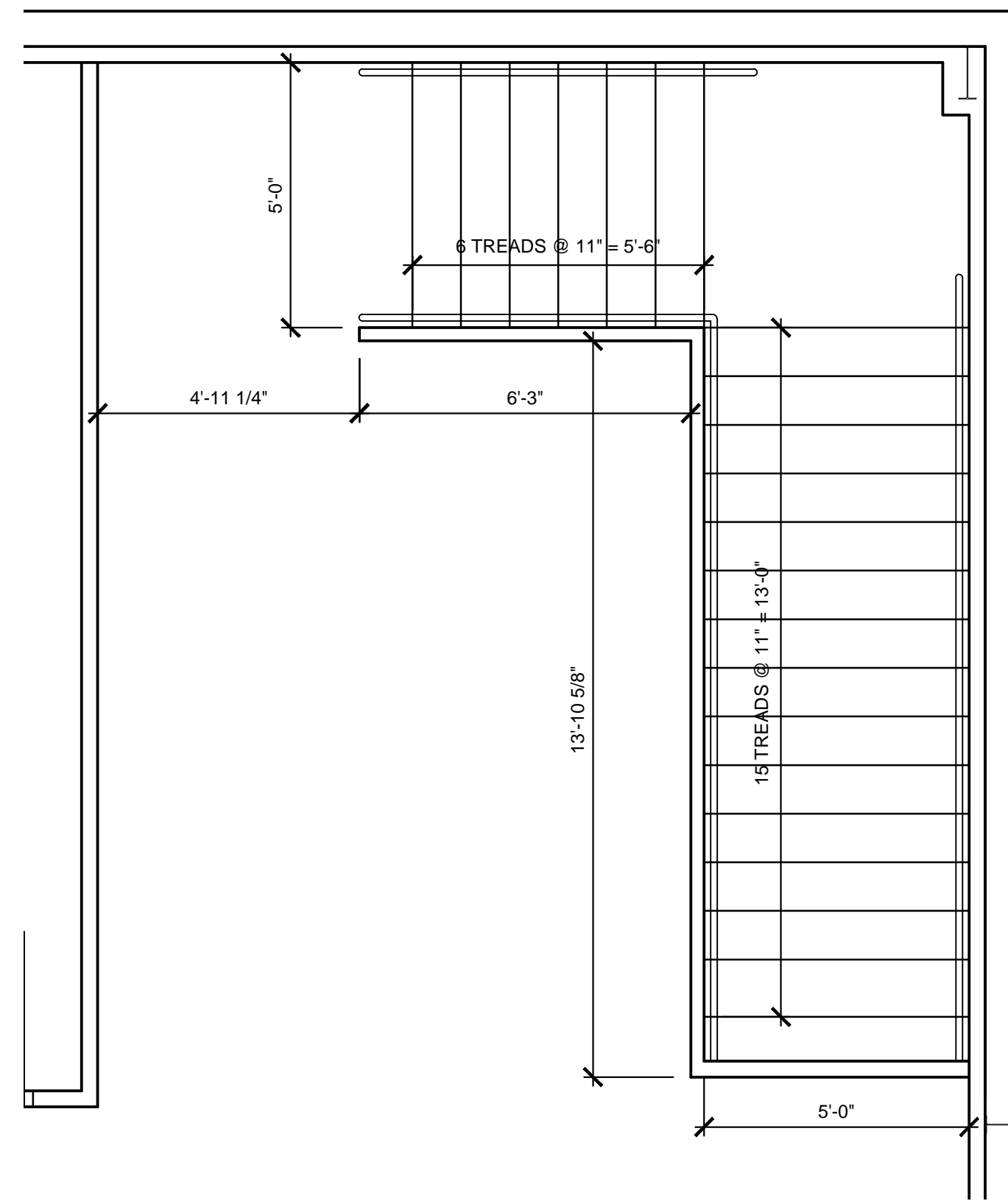
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WINDOW DETAILS

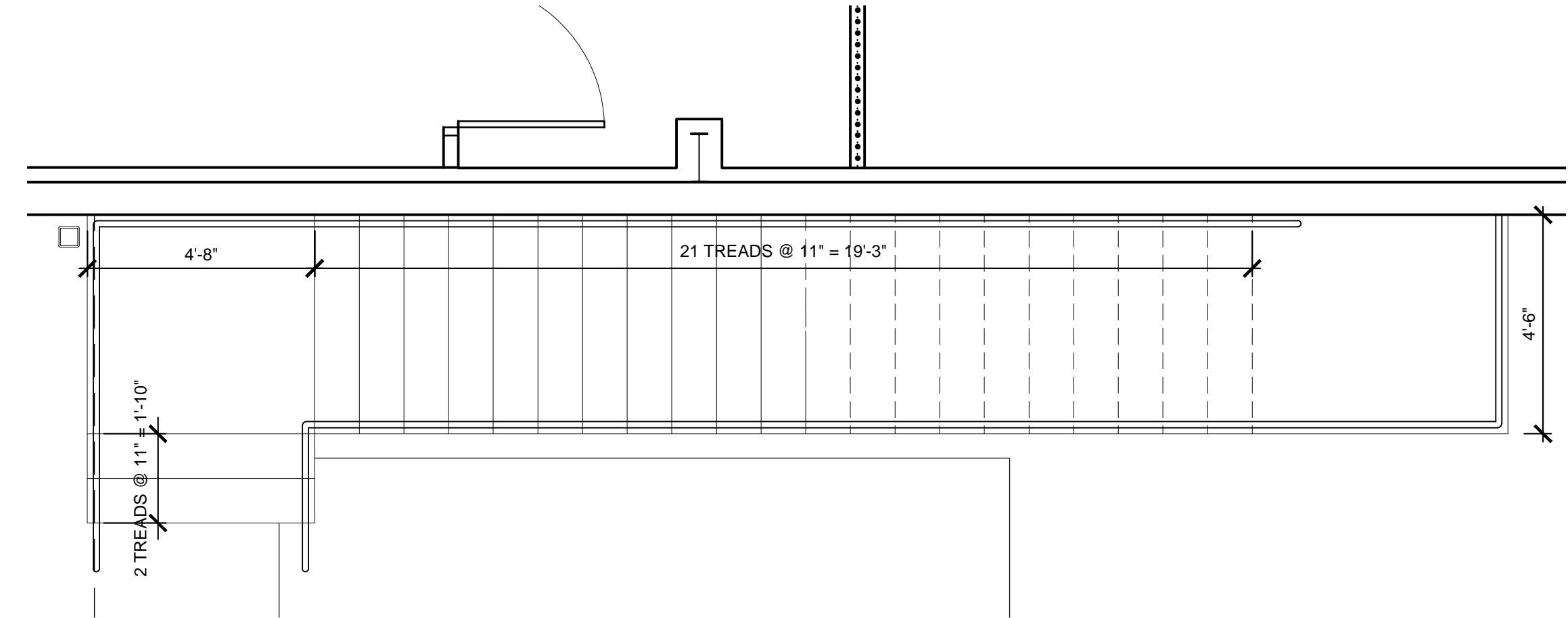
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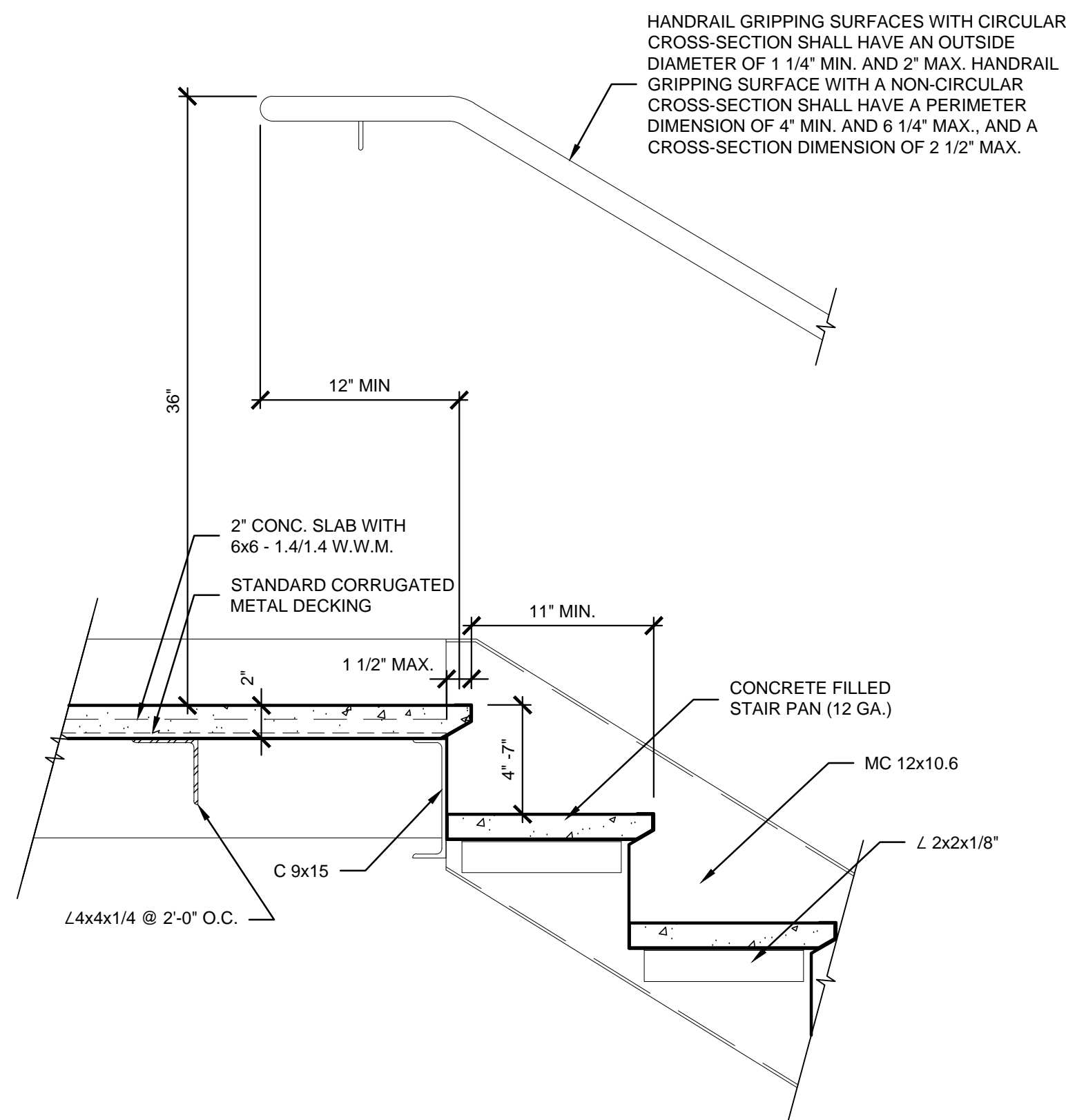
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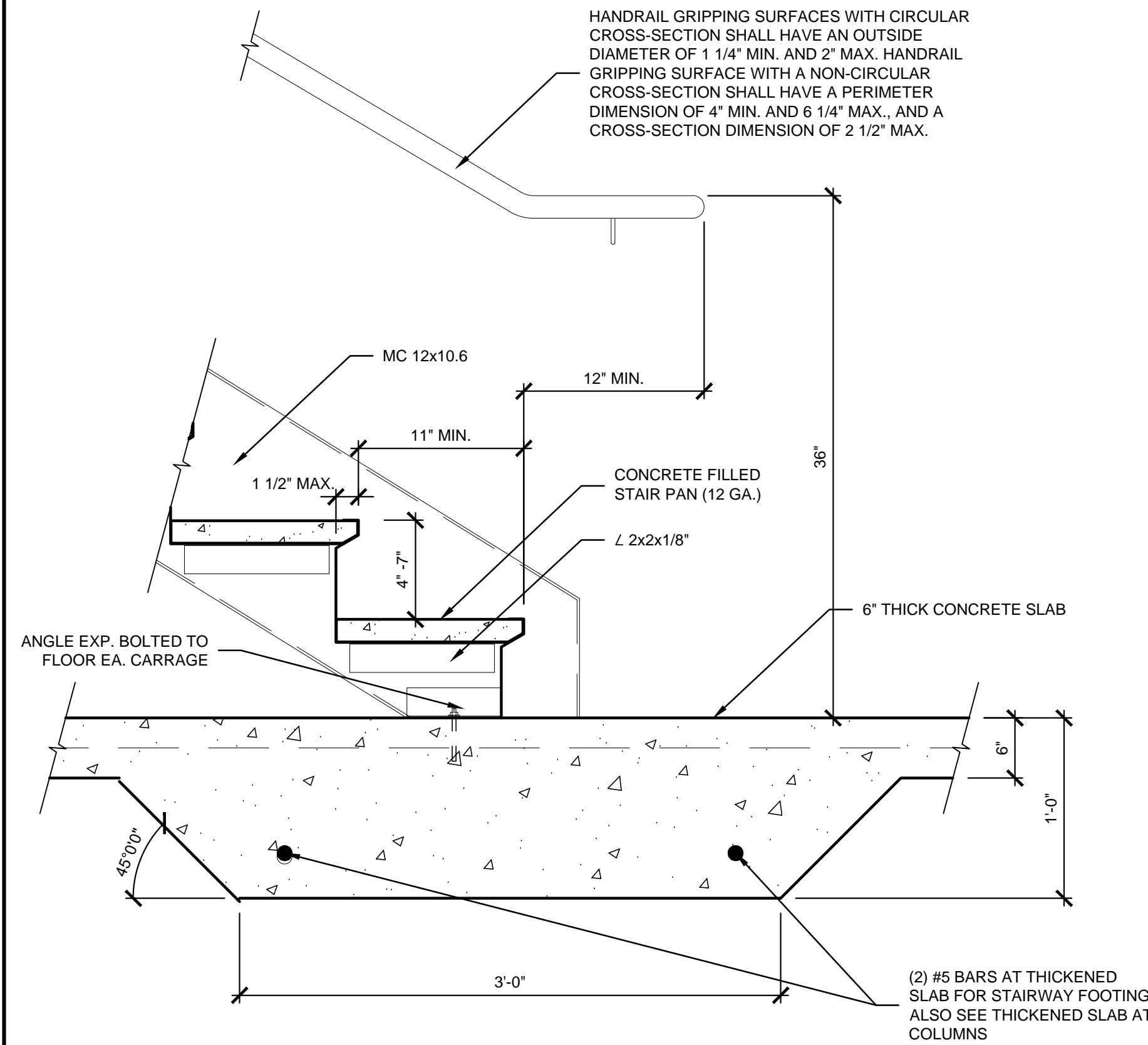
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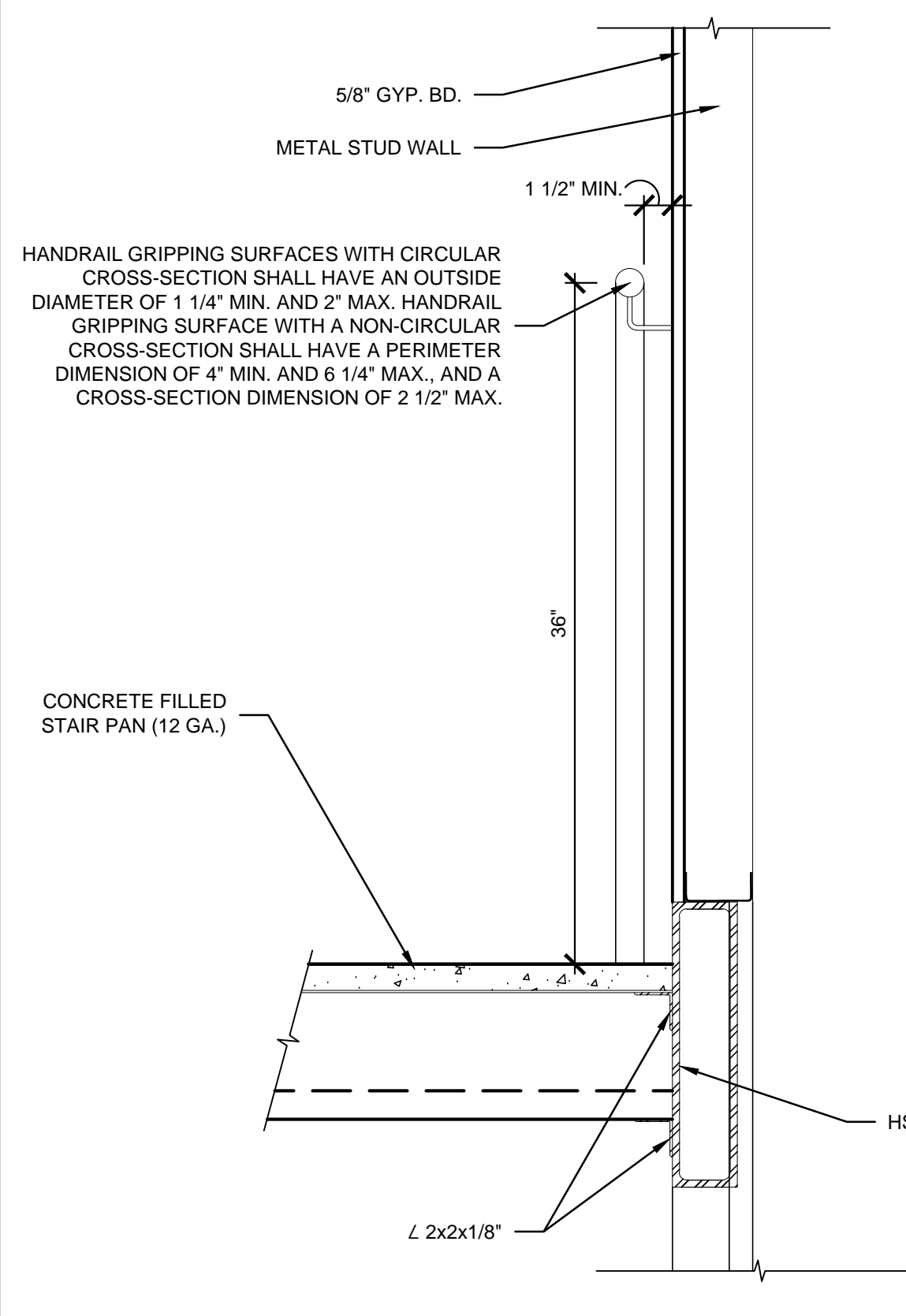
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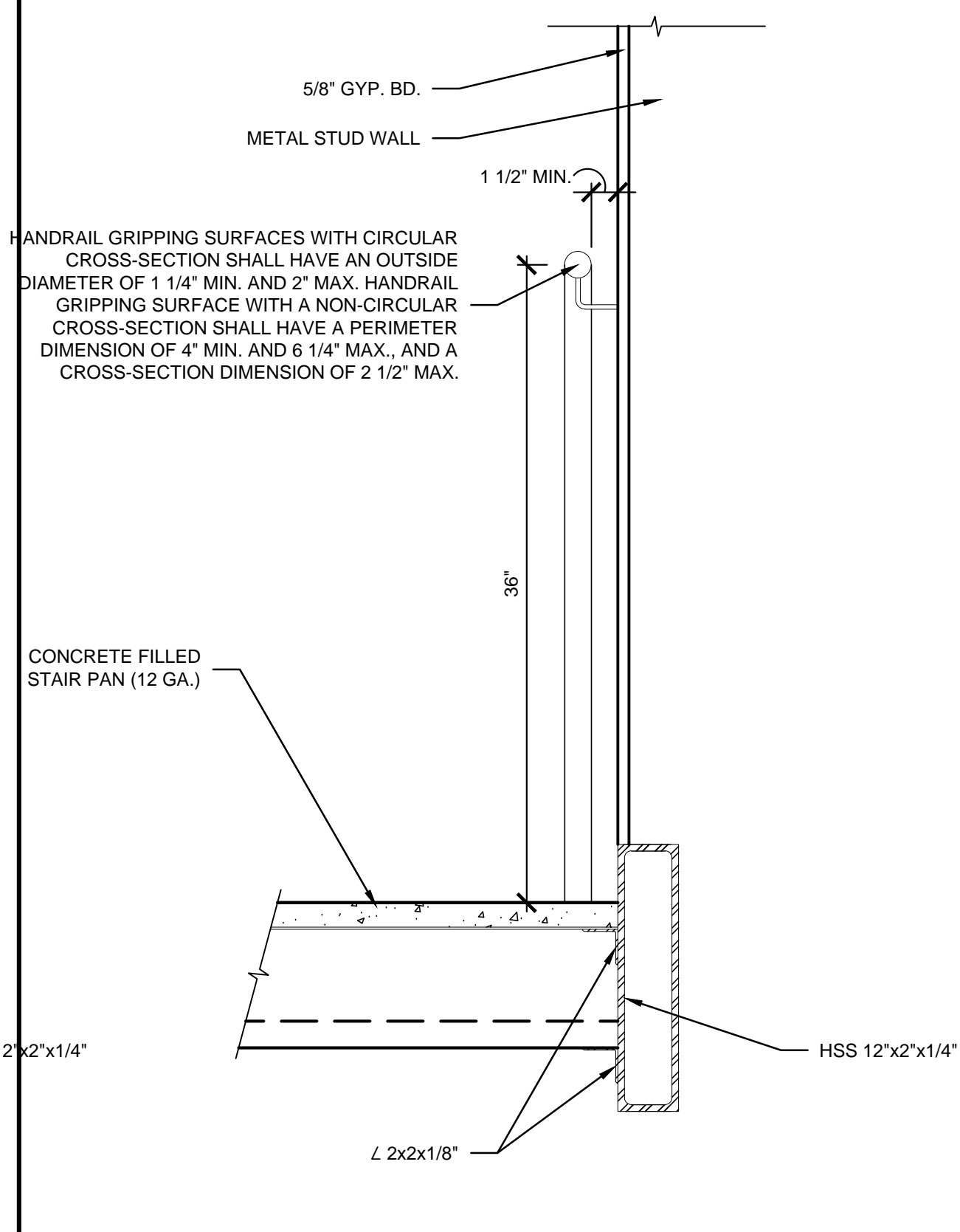
04 STAIR DETAIL
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05 STAIR DETAIL
SCALE: 1 1/2" = 1'-0"



06 STAIR DETAIL
SCALE: 1-1/2" = 1'-0"



07 STAIR DETAIL
SCALE: 1-1/2" = 1'-0"



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6900 BILLTOWN RD.
LOUISVILLE, KY 40299

EVANGEL CHRISTIAN SCHOOL

Project #: 24-4553

GENERAL NOTES AND SPECIFICATIONS

01000 GENERAL

- A. These drawings and specifications are for general guidance, with the understanding that the Owner will negotiate directly with a contractor for proper execution of work to assure completeness and code compliance.
- B. All contractors are to guarantee their work for a minimum of one year from date of acceptance and turnover of a completed project. Longer guarantees are required where specified elsewhere in these documents .
- C. Contractor to verify the information contained in these plans in field (V.I.F.) and immediately notify the Architect of any discrepancies.
- D. The Contractor shall carefully study and compare these contract documents and shall at once report and discovered items to the Owner and Architect any errors, inconsistency , or omissions that cannot be resolved by standard industry practices. Do not proceed with work until clarifications have been made by the Architect and notification has been given to proceed .
- E. Keyes Architects & Associates has a set number of drawing sets that we have guaranteed the owner / client by contract. These documents are the owner's / client's to use as they see fit but it was intended for their use to create additional documents and for permitting purposes. In addition, Keyes will supply at no additional charge a PDF set of the supplied paper set of drawings to the owner / client. Any additional sets beyond the sets supplied will be considered extras and will be billed accordingly by Keyes Architects & Associates current rates table. It is the responsibility of the General Contractor to acquire this PDF set from the owner for the purposes of making additional sets and to pay for all needed construction sets.
- F. Before bidding, General Contractor and all Subcontractors are responsible for obtaining all bid documents including but not limited to construction documents and specifications. Contractor is responsible for reviewing other trades work that directly affects their trade, to ensure that no conflict is present. Should a conflict arise as a result of design difference with other trades, subcontractor should use industry standard practices to bid and create a product to accomplish the design intent of the construction documents and include it as part of their bid. Then the General Contractor shall be notified of the intended changes in order that these changes can be discussed with the architect and coordinated with other trades that are affected.
- G. Where drawings do not specifically show how work is to be executed, the subcontractor responsible for the work will be responsible for figuring out and bidding an acceptable industry standard method of completing the work.
- H. Where plans and specifications conflict, specifications shall supersede plans. Where plans and details conflict, the more detailed (larger scaled) item will take precedence. If it is unclear as to the intent of the work due to the conflict, notify the Architect immediately before proceeding.
- I. Contractors are not to scale the plans for missing or unclear information. Where plans are unclear, verify with architect before proceeding .
- J. Contractor's bids are to be complete and to include all material, labor , and facilities required to complete the work shown on drawings and specified herein.
- K. All Subcontractor questions concerning bidding, the drawings, or site visits shall be directed to the General Contractor.
- L. All Subcontractors shall obtain any specific permits and code review for their trade. General Contractor will obtain overall construction permit.
- M. The Owners may have other contractors, workers and suppliers engaged on this project. Verify exact limits of responsibility during bidding and coordinate with all work being conducted under other contracts.
- N. Payment of Monthly Draws for work completed to date is based upon receipt of lien releases and site inspections. Items listed as complete on the draw but not completed to the owner's and architect's satisfaction, must be completed, or removed from the draw before payment will be made. All outstanding invoices for this project from all subcontractors and suppliers will be paid and a lien release issued from the general contractor in charge before payment will be made.
- O. Final Payment of all portions of this project is based upon receipt of lien releases, warranties, and maintenance/operations manuals for all items.
- P. For all sections in these documents where multiple colors, finishes, and/or material choices occur and where the owner can only make these choices after the contract has been awarded , this contract is to include the most restrictive and/or expensive of the choices given so the owner can make a choice later without change orders. Should the owner make a choice that is less expensive than what were bid, then the owner is to be credited back the difference between what was specified and what was selected .
- Q. Value engineered items and/or approved equals are to be submitted as part of the bid package for approval by the owner and architect. Due to limited bidding time, owner and architect cannot/will not review products during bidding for equality or equivalency to these documents. Owner and architect will approve these items as part of the bid review and may ask for proof of product equality, product specification and clarification, resubmittal of original items, or other requirements as a condition of acceptance of any and all bids. Items not listed on bid forms and submitted as part of bid package are assumed to be as specified in these documents and any item not meeting these documents can be asked to be replaced or a change order applied to the project in the amount of the difference of the original item specified at the owner's and architect's discretion.

01001 TAX EXEMPT PROJECT

- A. This project is being bid to a Tax-Exempt Organization, here forward known as the "Client", with federal and/or state approved tax-exempt status. The following shall apply to the entirety of this project, unless otherwise stated herein:
- All labor and materials necessary to complete this project are to be included as part of this bid package.
 - The tax exemption status of the Client will only apply to material purchases made through a wholesaler or retailer for the use on this project. Materials directly purchased by the General Contractor or Subs through their offices for use on this project will not qualify for exemption.
 - The awarded General Contractor and their Subs will be responsible for setting up the Client's tax-exempt information with all material suppliers.
 - All materials are to be invoiced to the Client, care of the General Contractor or Subs.
 - General Contractor or Subs to be responsible for the shipping, handling, storage, and installation of all materials for the duration of the project, until the final project is turned over to the Client.
 - Any deliveries made to anywhere other than to the project site, to the General Contractor or the Sub-contractor responsible for the materials, will be returned to the shipper at the General Contractor's expense.
 - All material invoices are to be routed through the General Contractor and any invoices sent directly to the Client will be returned to the issuer. The General Contractor shall be responsible for any late fees or penalties that should be incurred because of these returned invoices.
 - As part of their monthly pay application / monthly draw, the General Contractor will submit materials invoices to be paid along with their draw.

- Issued as part of this monthly draw shall be a list of how much money is to be paid to the General Contractor as well as a list of all invoices to be paid, including Name of the Payee, any Purchase Order #s and the amount to be paid. A single check will be issued to Suppliers with multiple PO submitted as a part of this draw.
- A Change Order will also be issued reducing the amount of the General Contractor's project cost by the dollar amount of the material invoices being paid as part of the current draw.
9. Monthly draws will be approved by the Client and all issued material supplier checks will be given to the care of the General Contractor.
- It will be the responsibility of the General Contractor to make sure payment is delivered to the material suppliers in an expedient and timely manner.
- Any late fees or penalties that occur as a result to deliver these checks, will be the responsibility of the General Contractor, unless these fees can be documented as not being incurred as a fault of General Contractor or Subs.

01200 IMPORTANT FACILITY/SITE SAFETY NOTES

- A. This facility will remain open during construction. It will be the responsibility of the General Contractor and their Subs to secure the site and protect the public from harm. This includes, but not limited to, site fencing, construction of temporary barrier walls, and warning signage. See section 02000 Site-Work/Foundations for additional information.
- B. The owner agrees that any section of their site/building that is sectioned off in this fashion will be under the control of the General Contractor and their Subs. Thus, all persons not under the direct contract of the General Contractor or Keyes Architects & Associates are not allowed within the construction site without direct approval of the General Contractor and can be asked to leave the contained area.
- C. Contractor to include site control fencing around the proposed scope of work, including but not limited to areas to be excavated, demoed, or contain construction equipment. Fencing is to always be maintained with signage at regular intervals warning of site construction. Fencing to be locked and always secured at times that the General Contractor or their Subs are not present on site.

01500 DEMOLITIONS

- D. General contractor shall be responsible for all demolition work unless otherwise noted. Sub-contractors shall be responsible for all demolition that pertains to their trade and not covered by the General Contractor. All demolition shall conform to O.S.H.A., state and local permit and safety codes.
- E. Verify structural integrity before & during construction. Provide temporary support as required.
- F. Contractors shall provide for dust/debris control, cleanup and protection of other personnel and visitors as needed. Dust control to include but is not limited to creating a temporary structure between any spaces to remain occupied and workspace, covering doors/vents/windows as needed to prevent the passage of dust, and cleaning up any accumulation of dust.
- G. The site is to be left "broom" clean and secure from intruders at the end of each day.
- H. Contractor to properly remove and properly dispose of all debris and demolished items except items specifically listed to be delivered to owner.
- I. All items or utilities "capped" after demolition shall be in a neat manner, paint to match adjoining or conceal behind finished area. All "capped" items to meet applicable codes and industry standard practices .
- J. Remove and properly dispose of all unused (or no longer used) brackets, supports, misc. items, and equipment from the project areas. This includes all electrical, HVAC and plumbing items. As directed herein, turn over specific items to owner and dispose of all others.

02000 SITE-WORK/FOUNDATIONS

- B. Perform all excavations, backfilling, and grading, as well as paving, required to complete work shown. Contractors shall take this data and submit in their bid any changes necessary for completion of the project. Provide positive drainage throughout the site from the parking areas and away from the building.
- C. Protect against damage to any lawns, shrubs, trees, roads, walks, signs, underground tanks , etc., and other work that is to remain in place.
- D. Materials to be excavated are assumed to be earth or other materials that can be removed by power shovel or other normal excavating equipment, but not requiring the use of explosives or drills. If other conditions are encountered within the limits of the excavation, notify Architect immediately.
- E. All building and column footings shall bear directly on undisturbed soil, unless specifically designed otherwise herein to bear on other subsurface.
- F. Assumed bearing capacity as indicated by Owner is 1 ,500 lbs. s.f., unless otherwise note on the plans or by Geotechnical reporting. If this bearing capacity is not encountered at the depth shown on drawings, the site contractor shall notify the general contractor. The general contractor, architect, engineer, and other parties will then establish an additional volume of excavation.
- G. Building slab areas, drives, walks and parking areas that require undercutting or fill are to be backfilled with lean clay or granular fill, uniformly compacted to at least 95% standard proctor (ASTM D698). Periodic field density testing to be performed during construction if required and paid for by the Owner.
- H. General Contractor to include additional cost breakout in their initial bid for either the trench excavation or mass excavation of rock if it is determined to be necessary. Bids are to include all markup, overhead, disposal , and grading at lower areas of this site.
- I. Furnish and install all site items as shown on the drawings or list herein .
- J. Furnish and install sod within 3' of all concrete walks and building areas. Seed and straw all other disturbed earth areas.
- K. Contractor to include all erosion control measures necessary. Erosion control measures are to follow those policies, standards and practices as set forth by the civil plan and/or all federal, state, and local requirements. The contractor will be responsible for maintaining all erosion control measures and maintaining all documentation as required. Any penalties occurred because of failure to maintain these controls shall be the responsibility of the contractor and the owner shall bare no responsibility for these penalties unless there is documented proof that these penalties were because of neglect from the owner or his representatives.
- L. If a landscaping plan has not been provided as part of these documents and a cost determination cannot be made, an allowance of \$10,000.00 is to be included in the bid to furnish and install landscaping as to be determined by the owner.
- M. All existing excavated material that cannot be used as fill will be wasted on site in areas as directed by owner. The material will be spread, compacted, smoothed, and disced. The excavated material will then be seed and straw as indicated above.
- N. Foundation excavation
- Follow OSHA and local requirements for determining the angle of repose. No angle of repose can be assumed when soil is under adverse moisture conditions. Use forms where concrete surfaces are shown vertical or steeper than the angle of repose.
 - Cut earth neatly for grade beams and footings, excavate by hand, if necessary, to remove all loose material and disturbed earth.
 - Replace disturbed earth and over-excavated locations with fill concrete.

- Keep excavations constantly shored and dewatered.
 - Pour footings only after excavations have been individually inspected and approved.
 - After inspection and approval, place concrete promptly before any change in excavation conditions occur.
- O. Trenching and backfilling for drainpipes
- Commence from low point so excavation and pipe can be kept drained at all times.
 - Width to be sufficient to make joints and compact backfill under pipe.
 - Final excavation to be done by hand so pipe rests continuously on solid earth except where backfilled with cement stabilized sand.
 - After placing pipe, immediately place some backfill to hold the pipe; compact sufficient backfill under the pipe to hold it securely against any possible movement: do not cover until inspected.

03000 CONCRETE

- A. Concrete to be dimensions shown on drawings and reinforced as detailed.
- B. Concrete shall develop a minimum compressive strength of 4000 psi at 28 days.
- C. Contractor to make (3) concrete cylinder samples for every 150 cubic yards (or fraction thereof) of concrete placed per day. Concrete cylinders are to follow the practices set forth in ASTM C31 for Standard Practice for Making and Curing Concrete Test Specimens in the Field and ASTM C172 for Standard Practices for Sampling Freshly Mixed Concrete. Samples are to be taken from the middle of a truck load and not the beginning or ending portions. All cylinders are to be labeled, dated, and stored on site in the same environment as the concrete placed. Owner, architect, or construction manager may call for testing of these samples at any time. Owner will pay for testing as needed.
- D. Interior floor slabs are to receive smooth trowel finish.
- E. Exterior concrete drives, walks and stoops are to be light broom finished in the direction of water flow, unless noted otherwise.
- F. Concrete Curing and Sealing Compounds are to be surface applied solvent which cures, seals, hardens, and dustproofs.
- Concrete slabs to receive "Cure 'N Seal" by Sakrete, "Seal Cure-25" by W. R. Meadows or approved equal. Verify existing conditions before starting work. Apply product per manufacturer's requirements and recommendations. Before starting work, verify that selected cure and seal product is compatible with the anticipated finished floor and sub finishes.
- G. All concrete floors are to have a vapor retarder installed before the concrete is placed. Vapor retarder is to be as specified in the latest ASTM E 1745 and have the following properties: a minimum of 0.03 permeability, 5lb puncture resistance, and 45.0 lb./in tensile strength. Retarder to be installed per manufacturer's recommendations and specifications.
- H. Materials and construction methods shall conform to the latest requirements of ACI 318-83.
- I. All exposed 90-degree edges of vertical and horizontal corners of concrete shall have tooled edges, unless indicated otherwise.
- J. Reinforcing steel shall be A615-83 Grade 60. Contractor may use Fibermesh equivalent reinforcing in 4" slabs on grade, but elevated slabs must have wire reinforcing as shown.
- K. Welding of or to reinforcing bars without prior approval of engineer is prohibited except where specified on the drawings.
- L. All reinforcing bars are to be supported in the form and spaced with wire bars supports meeting the requirements of the ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 315-latest edition).
- M. All detailing, fabrication, and erection of reinforcing bars, unless otherwise noted, must follow the ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 315-latest edition).
- N. Concrete walks shall have molded expansion joint material as shown. Final joint layout to be approved by Owner.
- O. Control joints (C.J.) shall be saw-cut a minimum of 1/4 of slab thickness and with a maximum spacing as shown on the drawings.
- P. Isolation joints (I.J.) if required shall receive 1/2" thick expansion joint filler extending from bottom of slab to 1/2" below top of slab and the top 1/2" filled with Polyurethane joint sealant, unless otherwise noted.
- Q. Construction joints (Const. J.), if required, shall be formed using "Key-Loc Joint System" manufactured by Form-A-Key.
- R. All dimensions and grades shall be verified in the field (V.I.F.) by the contractor and any discrepancies or interferences shall be reported to the Architect before proceeding with affected work.
- S. Where shown, all junctions of walls, piers, and floors to have 1/2" wide expansion joints, filled with elastic expansion joint material.
- T. Exposed piers and foundation walls to have rubbed finish. Any honeycombing that occurs that is less than 4" in diameter is to be filled and finished with a non-expanding grout. Contact the architect immediately for any honeycombing that is 4" or greater in diameter, for review of the concrete and resolution of the issue.
- U. Concrete Contractor to place all exterior equipment pads unless otherwise directed during bidding. Coordinate final size, details, and locations with the applicable sub-trades.

04000 MASONRY

- A. Mortar to be type "M or S" complying with ASTM C-90-97. If Concrete block contains an integral water repellent, then the mortar is to receive a water repellent additive as approved by the block manufacturer.
- B. Provide 3/8" thick mortar joints between units with full mortar coverage on the vertical and horizontal face shells only, except for this first bed course shall be laid in a full mortar bed.
- C. Concrete block to be standard common light weight concrete masonry units (C.M.U.) in 8" thickness. Unless noted on the plans otherwise, all blocks to include an integral water repellent. See architectural plans and details for selected size and finishes.
- D. Provide manufactured smooth face corner block , toothed in at corners as required.
- E. All concrete masonry units to have galvanized #9 wire reinforcing, Hohmann & Barnard's Lox All Truss-Mesh, at every second course and every course below floor line.
- F. All self-supporting and load bearing concrete masonry walls to have vertical reinforced cells as shown. Vertical reinforcing to be (1) continuous #4 bar centered in cell. Cell to be slush full.

05000 METALS

- A. Provide structural and miscellaneous metal items as shown on drawings, and as required to complete the project.
- B. Furnish shop drawings to satisfy local code requirements, fabricate materials and install all metal work as needed. This shall include structural steel and miscellaneous steel items.
- C. Take field measurements prior to fabrication. Subcontractor shall be responsible for the accuracy of all such measurements and the precise fitting and assembly of the finished products.

- D. Use materials of size and thickness indicated or, if not indicated, as required to develop the maximum loads in the member. Weld corners and seams continuously, complying with AWS recommendations. Provide for anchorage of type shown, coordinated with supporting structure. Fabricate and space anchoring devices to provide adequate support for intended use.
- E. Clean and Shop paint miscellaneous metal work, except members or portions of members to be embedded in concrete or masonry, surfaces, and edges to be field welded unless otherwise indicated.
- F. Furnish bent or otherwise custom fabricated, plates, anchors, hangers, dowels, and other miscellaneous steel shapes as required.
- G. Provide loose bearing and leveling plates for steel items bearing on masonry, concrete construction, or other portions of the structure as indicated.
- H. Provide miscellaneous steel elements, framing and supports that are not a part of structural steel framework, as required to complete work.
- I. Provide anchorage devices and fasteners where necessary for securing miscellaneous metal fabrications to in-place construction; including, threaded fasteners for concrete and masonry inserts, toggle bolts, through-bolts, lag bolts, wood screws and other connectors as required.
- J. Provide A-325 bolts as shown on the plans or as required to develop the maximum capacity of the connection shown.
- K. Perform cutting, drilling, and fitting required for installation of miscellaneous metal fabrications.
- L. Field Welding shall comply with AWS Code for procedures of manual shielded metal-arc welding, appearance and quality of welds made, and methods used in correcting welding work.
- M. Set loose leveling and bearing plates on wedges, or other adjustable devices. After the bearing members have been positioned and plumbed, tighten anchor bolts. Do not remove wedges or shims, but if protruding, cut-off flush with the edge of the bearing plate before packing with grout. Use metallic non-shrink grout in concealed locations where not exposed to moisture; use non-metallic non-shrink grout in exposed locations, unless otherwise indicated. Pack grout solidly between bearing surfaces and plates to ensure that no voids remain.
- N. Touch-Up Painting immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with same material used for shop painting. Apply by brush or spray to provide a minimum dry film thickness of 2.0 mils.
- O. Miscellaneous Items:
- Steel Plates, Shapes and Bars: ASTM A-36
 - Cold formed Steel Tubing use ASTM A-500
 - Hot-rolled Steel Tubing use ASTM A- 501
 - Hot-rolled Structural Steel Sheet use ASTM A-570 . Class 1 or grade required for design loading.
 - Cold-rolled Structural Steel Sheet use ASTM A-611 . Class 1 or grade required for design loading.
 - Non-Shrink Metallic Grout to be pre-mixed, factory-packaged, non- staining, non-corrosive, non-gaseous grout complying with CE CRD-C588. Provide grout specifically recommended by manufacturer for interior and exterior applications.
 - Zinc-coated fasteners for exterior use or were built into exterior walls. Select fasteners for the type, grade and class required.

05210 STEEL JOISTS

- A. Furnish and install fabricated joists in compliance with the Steel Joist Institute (SJI) Standard Specifications.
- B. Submit shop drawings and details, manufacturer's specifications, and installation instructions for each type of joist and accessories.
- C. Use horizontal bridging in accordance with standard specifications, attached by welding. To be installed before any construction loads are applied. Anchor ends of bridging lines at top and bottom chords were terminating at walls.
- NOTE: Contractors must use special care when backfilling joists, deck, and floor in place.

05400 _ LIGHT GAUGE METAL FRAMING

- A. The work included under this Section consists of providing all materials, equipment and labor required to install walls.
- B. All work shall be carefully and properly executed in such manner as to insure the greatest stability and support. Enough fasteners and hangers shall be used to insure the rigidity of all parts of the work.
- C. Quality assurance product numbers specified are based off U.S. Gypsum products to establish basis of design. Acceptable manufacturers are to U.S. Gypsum, Inryco/Milcor, and Dale Industries.
- D. General Supplier to design and fabricate system to support the weight as shown on the plans . All structural members shall be designed in accordance with American Iron and Steel Institute (AISI) "Specification for the Design of Cold Formed Steel Structural Members" latest edition.
- E. All studs and/or joists shall be formed from corrosion resistant steel, corresponding to the requirements of ASTM A446, and ASTM C645 with a min. yield of 40ksi for members, 33ksi for runners.
- F. All framing components shall be cut squarely for attachment to perpendicular members or as required for an angular fit against abutting members.
- G. Fastening of components shall be by means of self-drilling screws or welding. Screws or welds shall be of sufficient size to insure the strength of the connection. Wire tying of components shall not be permitted. All welds shall be touched up with a zinc rich paint.
- H. Clean Up , remove all scrap and debris generated by this work from the project site.
- I. Install all materials per manufacturer's installation instructions and details.
- J. At gypsum board ceilings, position, and level joists for proper ceiling heights.
- K. Provide clearance as required between joists and abutting walls or partitions.
- L. Install joists at as shown on plans.
- M. Add additional channels or supports to insure stability at ceiling openings for lighting, grilles, etc. Coordinate additional required framing for all surfaces mounted and recessed items such as lighting fixtures. Verify all drawing sheets for additional supports .

05511 FIXED VERTICAL LADDER

- A. The system is an aluminum (6005-T5) ladder designed to be attached to a wall.
- B. A cage will be furnished for ladders exceeding 20'-0" and designed by the ladder fabricator for use with their product.
- C. Rest platform(s) will be furnished so that no ladder segment exceeds 30'-0" in height.
- D. Floor mounted brackets are furnished when ladder bottom is at floor level.
- E. Safety caps will be installed at the top of the stringers if furnished on ladders requiring same.

PROJECT NO:

24-4553

DRAWN BY:

AJS/

DATE:

10-11-2024



KEYES ARCHITECTS & ASSOCIATES
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NEW BUILDING FOR
**EVANGEL CHRISTIAN
NEW SCHOOL**
6900 BILLTOWN RD.
LOUISVILLE, KY 40289

SPECIFICATIONS

SP1.01

- F. Standard riser height is 12".
- G. Verify all requirements with federal, state, and local codes.
- H. Under normal usage, the ladder shall require no preventive maintenance.
- I. Unit to be by Precision Ladders, LLC or approved equal.
- J. Product to be built and installed per manufacturer's specifications and instructions to meet Federal, State and Local code.
- K. All products inspected at factory in ISO 9002 certified environment.

06000 CARPENTRY

- A. All wood in contact with concrete or masonry or to be exposed on the exterior to be pressure treated against decay and insects.
- B. Carpenter shall furnish all necessary blocking and grounds for all tops, cabinetry items, handrails, casework, and other miscellaneous items as needed.
- C. Provide small areas of wood framing were shown for shelves or equipment by owner.
- D. Carpenter to furnish & install all moldings, trim work, and finish hardware (at windows, doors, handrails, and platform areas). Also, shelving, brackets, rods, and hangers as shown. Exposed wood trim and moldings to be paint grade spruce or fir, (finger joints allowed).
- E. Furnish and install all rough & finish carpentry including rough hardware, form work indicated and required to complete the project.

06410 WOOD CASEWORK

- A. Furnish and install a complete system for cabinets and casework following the standards set forth by AWI and millwork best practices.
- B. Cabinets to be oak finish MDF board with overlay doors, wire pulls and fully adjustable plywood shelves, by "Merillat" or approved equal.
- C. Tops to be square edge, plastic laminate covered with 4" splash at all walls, scribe fit. Colors to be selected by owner from standard lines.
- D. Provide elevations and shop drawings for review by owner.

07000 MOISTURE PROTECTION

- A. Insulation:
- Roll glass fiber insulation to be thickness and type shown on drawings for specific uses, to be "Fiberglass" or "Celotex".
 - At all eave vents, install a 24" wide by 48" long rafter baffle, made of extruded polystyrene foam. Product to be by Owens Corning or approved equal.
 - Rigid below grade insulation at foundation and basement walls to be extruded, expanded polystyrene 2" thick (R-value: 5), unless otherwise noted on the plans.
 - Exterior concrete masonry units to receive "Core-fill 500" foamed in place system or approved equal.
- B. Caulking:
- Use Sherwin Williams 950A siliconized acrylic latex caulk, GE Silicone II or approved equal. Color to match surrounding area being caulked. Caulk all exterior joints and both sides of all door and window frames.
 - All Equipment, Mechanical, Plumbing and Electrical Contractors shall supply all flashings and curbs for roof or wall penetrations to the building erector. Building erector shall install and flash all building penetrations as part of their bid project.
 - Where called out on the drawings, fire caulk to meet all ASTM requirements for fire and smoke barrier. Product to be 3M Fire Barrier Sealant CP 25WB+ or approved equal .
- C. All exterior masonry to receive stain or sealer and paint as per finishes in section 9,000.

07250 WEATHER BARRIER - VAPOR BARRIER

- A. Building vapor barrier to be commercial grade weather barrier Tyvek CommercialWrap by DuPont or approved equal.
- B. All joints are to be lapped minimum 3" and taped as specified by manufacturer.
- C. All penetrations are to be taped around entire perimeter.
- D. Tape to be 3" wide Tyvek Tape for commercial applications by DuPont or approved equal.
- E. Barrier to be anchored in wood with 1" plastic caps fasteners with min 5/8" penetration.
- F. Barrier to be anchored in metal with 1-5/8" rust resistant screw with 2" plastic cap.

07720 SNOW RETENTION SYSTEMS (SNOBAR)

- A. System to be a bar rail that clamps directly to roof system, with clamps designed for this building roof system.
- B. Provide all bars, clamps, set screws, Tek screws and end caps required to create a complete, working system. Color to match roof panels.
- C. Contact manufacturer for system design requirements.
- D. Install per manufacturer's instructions.
- E. System to be "SnoBar" by Action Manufacturing or Approved Equal.

08000 DOORS AND WINDOWS

- A. Doors, frames, windows and glazing to be as shown on drawings. Finish hardware to comply with building code.
- B. All door and window glazing to conform to section 08800 Glazing.
- C. Egress doors shall be able to be opened from inside without a key or special knowledge.
- D. All exterior outward swinging hinged doors are to have Non-Removable Pin (NRP) hinges, unless otherwise specified on the drawings.
- E. Hollow metal frames shall be standard profile, 16ga. shop primed. Three (3) anchors each side, one (1) at head. Use wrap around frames at Gypsum board partitions.
- F. Hollow metal doors shall be flush, 18 GA., 1 3/4" thick, exterior doors to be insulated with rigid bd. insulation. Head of doors to be solid and flush. Doors to be shop primed.
- G. Wood doors shall be 1 3/4" solid core (particle bd. core) as indicated with flush stain grade veneer. Doors to be job stained and sealed, color as selected.

H. Finish hardware shall be medium grade commercial products by Stanley, Schlage, Von Duprin, Yale or an approved equal. Finish to be selected by owner. U.L. rated and Handicapped accessible hardware as required. See door schedule.

08380 COILING OVERHEAD DOOR SYSTEM

- A. Coiling overhead doors (upward acting) to be by Crawford, Overhead Door, or approved equal . Install door per manufacturer's instructions and recommendations.
- B. Door to have an electronic operated with chain hoist backup.
- C. Operator to be medium duty, commercial grade, 1/2hp motor, unless otherwise noted on the plans. See door schedule for final sizes.
- D. Provide (1) wired 3-button (open, close and stop) controller station to be located by owner.
- E. Tracks to be 2" galvanized steel with standard hardware.
- F. Verify lift clearance with all other trades before ordering, to ensure that door, track, and other hardware miss proposed clearances of other product such as but not limited to sprinkler piping, gas piping, heating units, and owner equipment.
- G. Provide neoprene or vinyl weather stripping on entire perimeter.
- H. Door to have electrically controlled photo eye that stops and reverses if senses an obstruction.
- I. All doors and accessories not galvanized shall be factory primed. Interior and exterior door paint shall be selected later.

08410 ALUMINUM STOREFRONT SYSTEM AND WINDOWS

- A. Exterior frames are to be thermally broken aluminum frames.
- B. Frames to be black, bronze, white or clear anodized (as selected by owner).
- C. Aluminum storefront system to be "Kawneer 451T" or approved equal .
- D. Glazing contractor shall be responsible to securely anchor units to framing or masonry as needed to transfer loads to the building.
- E. All glazing to conform to section 08800 Glazing.

08800 GLAZING

- A. Unless specified herein, all glazing is per door and window schedules located on the construction documents.
- B. All glazing to comply with safety glazing laws. Installer to verify requirements before ordering and installing all glazing.
- C. All insulated glazing units, Low-E finishing and glaze tinting are to carry a minimum of a 10-year warranty from date of acceptance of project.
- D. Where glazing is specified to be Low-E and Tinted, glazing is to be tempered as per glazing types below.
- E. All glazing to follow Standard Specifications for ASTM C 1036, ASTM C 1048, and ASTM E 774.
- F. Glazing to be by PPG, LOF, Guardian Industries, Ford Glass, Hordis Brothers Inc., or equal. Provide all tinted and Low-E glass from the same manufacturer for the entire project.
- G. Glazing:
- Exterior glazing to be 1", double layer insulated glazing.
 - Interior glazing to be 1/4", single layer.
- H. Glazing Types:
- Annealed: Clear float glass conforming to ASTM C 1036, Type I, Class 1, quality q3.
 - Tempered: As specified for clear annealed except fully tempered to conform to ASTM C 1048, Kind FT.
- I. Glazing Finish Types:
- Low-E: PPG "Sungate 500(2)" or equal, clear float glass with transparent reflective coating on inboard (No. 2) surface, conforming to glass type.
 - Low-E Tinted: PPG "Sungate 1000(2)" or equal, tinted float glass with transparent reflective coating on inboard (No. 2) surface, conforming to tempered glass type .
- J. Tint Finish Types - Glare reducing float glass to be PPG "Solargray", gray color , PPG "Solarbronze", bronze color, or equal.
- K. Configuration to be per Window Schedule located in the Construction Documents .
- L. Glazing materials and accessories shall be fully compatible with the materials and finishes with which they are in contact. Neoprene and EPDM materials shall not come in contact with silicone sealant materials. Silicone rubber spacers, setting and edge blocks and gaskets shall be either Type I (designed to prevent adhesion) or Type II (designed for adhesion) as per glazing system manufacturer's recommendations for each condition of use.

09000 FINISHES

- A. All finishes shall be as called for and specified on drawings.
- B. Inspection of finished surfaces for blemishes and defect at the end of the project shall follow the generally accepted standard - PDCA (P1-09) Industry Standards for reviewing finished surfaces. "Viewing and inspection of finished surfaces shall be at thirty-nine (39) inches from the surface under finished lighting or natural lighting without the use of any optic magnifications or enhanced lighting. Any blemishes or defects detected at this range shall be removed or repaired and patched to match the surrounding."
- C. Fiberglass Reinforced Plastic (FRP) Panels are to be by Marlite, Duralite by Kemlite, or approved equal. Furnish and install complete system, include panels, trim, and adhesive system.
- D. Gypsum Board:
- All gypsum board to be 5/8" thick and installed per U.S. Gypsum association standards and best industry practices .
 - Use mold / moisture-resistant gypsum board ("Green" Board or equal) in all toilet rooms and within 4'-0" of all plumbing fixtures such as sinks, drinking fountains, washing machines or any other equipment not listed here in .
 - Where indicated on plans all fire rated assemblies are to use 5/8" Type 'X' gypsum board, installed per details and best industry practices.
 - Furnish and install metal or plastic corner bead at all outside corners and "J" mold at all exposed edges.
 - Control Joints: All walls are to follow the latest ASTM C840-08 and GA-216 as it pertains to control

joint placement. Unless shown on the plans differently, all walls and ceilings greater than (30) linear feet in any direction are to have a control joint every 30'-0" O.C. All control joints are to receive a metal or plastic control joint strip, installed per manufacturer's recommendations.

- E. Ceramic wall tile to be 4"x4" ceramic mosaic tiles by American Olean or approved equal. Install thin set over cement board substrate. Use C-Cure grout, 100% epoxy additive. Tile and grout colors to be selected by owner from standard architectural line (maximum of three tile colors).

F. Ceramic floor tile to be 12"x12"x5/16" thin set tile by StonePeak or approved equal, with cap tile along edges and base. Install with C-Cure grout, 100% epoxy additive. Install per manufacturer's recommendations and installation instructions. Tile and grout colors to be selected by owner from standard architectural line (maximum three tile colors).

G. VCT or LVT (Luxury Vinyl Tile) Floor Tile to be 12"x12"x1/8" Azrock by Tarkett or approved equal. Owner to select maximum of three colors from full architectural line.

H. Vinyl plank flooring is to be nominal 0.125" thick vinyl with a minimum 0.02" wear layer. Tile to be 48" in length, 6" to 9" in width, and shall be laid in a straight pattern. Owner to select final product from a standard list of manufacturer's products in a minimum of (2) colors. Product to be I.D. Latitude by Tarkett, Classics V5000 by J+J Flooring or approved equal. Product to be glued down using a standard adhesive recommended by manufacturer.

I. Carpet to be commercial grade \$23.00/sq. yd. (installed). This allowance cost is to be independent of any special pads shown for commercial glue down.

J. Vinyl base to be 4" high, 1/8" thick by Tarkett, Roppe , or approved equal. Use coved at vinyl floor tile and coveless at carpet. Stairs shall receive Vinyl treads and backs, treads shall have replaceable slip resistant strip at nosing. Colors as selected by Owner from standard architectural line. Installed per manufacturer's instructions.

K. Floor transitions shall be vinyl as recommended for the specific material transitions. Material shall be by Tarkett, Roppe or approved equal selected from full architectural color lines.

L. Coating Schedule:

- Surfaces not to be painted are floor coverings , items with factory applied final finish , concealed ducts , pipes and conduit , acoustical ceiling tiles, items with pre-finished surfaces, aluminum windows and door frames , and all items called not to be painted on plans.

- Surfaces to be painted:

Note: consult with Owner for final colors and finishes.

a) Exposed interior Drywall:

1st coat: Latex Wall Primer.
2nd coat: Latex eggshell or Alkyd based enamel as called for.
3rd coat: Latex eggshell or Alkyd based enamel as called for.

b) Interior Drywall Ceilings:

1st coat: Latex Wall Primer
2nd coat: Alkyd Flat Ceiling Paint

c) Interior Wood or Masonite (Painted):

1st coat: Wall and Wood Primer
2nd coat: Semi-Gloss Alkyd Enamel
3rd coat: Semi-Gloss Alkyd Enamel

d) Interior Wood (Stained):

1st coat: Interior Wood Stain
2nd coat: Gloss Polyurethane (sand between coats)
3rd coat: Gloss Polyurethane

e) Interior Metal:

1st coat: Metal Primer
2nd coat: Semi-Gloss Alkyd Enamel
3rd coat: Semi-Gloss Alkyd Enamel

f) Exterior Metal:

1st coat: Metal Primer
2nd coat: Semi-Gloss Alkyd Enamel
3rd coat: Semi-Gloss Alkyd Enamel

g) Painted Masonry:

1st Coat: Masonry Block Sealer
2nd Coat: Semi-Gloss Alkyd Enamel
3rd Coat: Semi-Gloss Alkyd Enamel

09511 ACOUSTICAL CEILING TILES

- A. Ceiling grids to be standard 2'x4' by Donn, Armstrong , or approved equal.
- B. Ceiling tiles to be 2'x4' vinyl faced square edge, standard fissured square edge, or standard fissured regular panels by Armstrong, U.S.G. , or approved equal .
- C. Wet areas such as kitchens, restrooms, and washrooms are to receive a smooth texture 2'x4' washable, scratch resistant, and anti-microbial acoustical tile. Tile to be Kitchen Zone - 672 by Armstrong or approved equal.
- D. Grid and panels are to be white unless otherwise noted on the finish schedule.

10000 SPECIALTIES

- D. Storage shelving, where shown on drawings shall be plastic coated wire systems by ClosetMaid, Schulte, K&V, or approved equal. Each location shall have a fully adjustable track system with a minimum of six shelves. Final styles of the supplied shelves to be selected (Some areas may receive only a rod and shelf).
- E. Fire extinguisher and cabinets to be by owner as required by code and by the fire inspector.
- F. Toilet accessories: The following list of new items shall be furnished and installed:
Fixed standard mirror(s) 60"x36" - Bobrick B-165 B 6036
Fixed standard mirror(s) 48"x36" - Bobrick B-165 B 4836
Fixed standard mirror(s) 36"x36" - Bobrick B-165 B 3636
Fixed standard mirror(s) 30"x36" - Bobrick B-165 B 3036
Fixed standard mirror(s) 24"x36" - Bobrick B-165 B 2436
18" vertical grab bar(s) - Bobrick B-6806x18
36" horizontal grab bar(s) - Bobrick B-6806x36
42" horizontal grab bar(s) - Bobrick B-6806x42
Toilet paper holder(s) - Bobrick B-2888
Paper towel dispenser(s) - Bobrick B-262
Wall mounted soap dispenser(s) - Bobrick B-5050
Surface mounted robe hook(s) - Bobrick B-7671
Surface mounted stainless steel shelve(s) - Bobrick B-683x

10155 METAL TOILET PARTITIONS

- A. All baked enamel metal toilet partitions shall be floor supported as manufactured by General Partitions Mfg. Corp. or approved equal. Provide handicapped systems as required.
- B. Construction shall be 1" @ thick with two sheets of galvanized and bonderized steel formed and, bonded together before attaching die drawn molding on all four sides of panels. Mitered reinforcements fused to corners for added structural strength. Fillers shall be Generals Ribcore sound-deadening insulation or approved equal.
- C. Doors to be same construction as panels.
- D. Pilasters-shall be 1-1/4" @ thick with two sheets of galvanized and bonderized steel, bonded before attaching die drawn molding to both sides and top, mitered reinforcements fused on both corners for added structural strength. Same construction as panel specification outlines above. Pilasters are to be anchored to floor with standard 3/8@ threaded rod, hex nuts, and washers to provide vertical adjustment and necessary strength.
- E. Use concealed latch, coat hooks, hinge brackets, doorstop and keeper, heavy casting nonferrous alloy, chrome plated. Concealed hinge works on opposing nylon cams under spring tension. Top pivot pin, mounted within door having bearing points above and below hinge bracket.
- F. Wall connection brackets for panels and pilasters to be high strength heavy chrome plated. Pilaster trim to be 3" high, 0.031" stainless steel. All hardware and fittings to be secured with chrome plated one-way vandal proof sex bolts or No. 14 plated steel metal screws of proper lengths.

10350 FLAGPOLE

- A. Project to include one ground set 25 feet tall flagpole, along with all accessories to install and utilize this unit. Flag to be supplied by owner.
- B. Submit show drawings that include product data, manufacturer's descriptive literature for flagpoles, details on all components and mounting details.
- C. Provide Manufacturer's standard warranty against defects in product workmanship and materials.
- D. Manufacturers:
- Concord Industries, Inc., 4150 Kellway Cir. P. O. Box 2449; Addison, TX 75001-2449; 800-527-3902
 - American Flagpole, Inc., P.O. Box 547, Abingdon VA 24210; 800-368-7171
 - Acme/Lingo Flagpoles, LLC; 1865 Rt. 206, Southampton NJ 08088; 800-260-1897
 - Or Approved Equal

10440 FIRE AND/OR SMOKE BARRIER PROTECTION SIGNAGE

- A. This project will require a "Fire Wall", "Fire Barrier", and/or "Smoke Barrier" as part of the scope of work. Per the building code, signage will be required on these walls identifying these walls as needing to be protected.
- B. Signage will be required as listed below unless otherwise specified by these drawings or by a local building code.
- C. Where Required: Where there is an accessible concealed floor, floor-ceiling or attic space, fire walls, fire barriers, fire partitions, smoke barrier and smoke partitions, or any wall required to have protected openings or penetrations shall be effectively and permanently identified with signs or stenciling in the concealed space.
- D. Signage Location: Signs will be located within 15 feet of the end of each wall and at intervals not exceeding 30 feet on center measured horizontally along the wall or partition.
- E. Signage Requirement: Include lettering not less than 3 inches in height with a minimum 3/8-inch stroke in a contrasting color incorporating the suggested wording, "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS," or other wording. Signs to be worded with the identification of the wall rating being applied to.
- F. Where stenciling is allowed by local codes and owners, lettering to be concise and clear applied to a smooth surface.
- G. Where signage is required by local code and owners, signage to be made of high durability vinyl or sheet metal with a permanent adhesive or a minimum of (4) screws.

10530 METAL CANOPIES

- A. Awnings and Canopies to be sizes shown on plans and profile shown on elevations and details. Final design to be by fabricator to meet all federal, state and local codes using the design intent on the plans.
- B. Awning covering to be Awnex, Inc Phoenix Aluminum Trellis System or approved equal, color as selected by owner. Product shall be powder coated and made with an aluminum alloy or approved equal.
- C. Seams are to be primarily pre-welded or factory-welded connections are to follow ANSI std. Z49.1. Use approved blocking and manufactures recommendations for attaching to wall conditions or consult with manufacture.
- D. Steel plates, shapes and bars are to follow ASTM A36.
- E. All frames are to be 1"x8"x1/8" wall min. alloy 6063-T6 or as specified by the manufacturer. All connections shall be mechanically assembled as per the manufacturer's drawings.
- F. Tie-back rods, canopies, and attachment hardware shall be powder coated with polyester resin to match the canopy. Maximum tie-back spacing to be 88" maximum.
- G. Product to be installed using manufacturer's instructions and recommendations, following industry standard best practices. Consider water drainage away from canopy where necessary.
- 1/2" long galvanized staples at 1 1/2" on center. Staples to be covered with a PVC trim and all joints to be uniformly finished.
 - 3/4" long zinc coated self-tapping screws at no more than 6" on center.
- H. Product to be installed using manufacturer's instructions and recommendations, following industry standard best practices.

11000 EQUIPMENT

- A. General contractor to install all equipment so listed on drawings, verify and coordinate requirements with suppliers during bidding.
- B. Owner to supply and install all equipment not required or listed herein. See equipment schedules.

12000 FURNISHINGS

- A. Owner to furnish and install all furnishings not required or listed herein.

PROJECT NO:
24-4553
DRAWN BY:
AJS/
DATE:
10-11-2024



KEYES ARCHITECTS & ASSOCIATES
4717 PRESTON HIGHWAY
LOUISVILLE, KENTUCKY 40213 (502) 636-5113

NEW BUILDING FOR
EVANGEL CHRISTIAN
NEW SCHOOL
6800 BILTOWN RD.
LOUISVILLE, KY 40289

SPECIFICATIONS
SP1.02

PROJECT: EVANGEL CHRISTIAN NEW SCHOOL - FILE: SP1.03 Specifications.dwg - DATE: Oct 11, 2024 4:27PM - BY:TY M. MOORE

13000 SPECIAL CONSTRUCTION: PRE-ENGINEERED BUILDING PACKAGE

- A. Owner to furnish any special construction not required or listed herein.
- B. Building package to be generally as shown on drawings to include primary and secondary steel framing
- C. Walls to be painted ribbed siding unless otherwise note on plans.
- D. Canopy roofs to be painted vertical rib standing unless otherwise noted on plans.
- E. Main roofs to be galvanized standing seam roof with thermal blocks (unless otherwise noted on plans) over 6" (min.) of vinyl faced insulation, with related flashing, gutters, downspouts, soffits, and overhangs.
- F. Full design responsibility of package to be by manufacturer. Roof loads to be 20#/s.f. plus 5#/s.f. for equipment loads, plus dead load and additional collateral loads as designed by manufacturer. Manufacturer to provide additional reinforcing required for any snow build-up, framing at canopies and for all roof top units (verify weight with mechanical contractors). Wind load of 15#/s.f. on walls and UL 90 uplift on roof. Building manufacturer to comply with all requirements of the State Building Codes. This includes all bracing and connections required to transfer loads to foundations as shown or required. (Note: Live Load Reductions are not allowed in steel weights).
- G. All roof curbs to be min. 6" high, seamless welded up curb units. Profile of curbs to match the panel profiles and colors of the roof it occurs on, have a water diverter on the top side and be stitched into the roof system. Units to be manufacturer by "Custom Curb" or approved equal.
- H. Weather tightness of pre-engineered building component systems to be responsibility of building manufacturer.

14000 CONVEYING EQUIPMENT - Not Used

SPECIAL NOTE:

- A. Final detailed layout of Steel Structures, Plumbing, Mechanical, Fire Suppression and Electrical systems are by separate Engineers or installers, it is the responsibility of the owner and General Contractor to coordinate all work with affected other trades to assure completeness and code compliance.
- B. It is the responsibility of the General Contractor and the Mechanical, Electrical, and Plumbing Contractors to ensure that all parts of their work is to be accessible as per Federal ADAAG Guidelines and all State / Local Guidelines. This includes but is not limited to Electrical Controls such as Thermostats or Lighting Controls, Light Switches, Outlet Plugs, Hand Dryers, and Faucet Controls. If there are concerns about how to determine reach ranges, equipment clearance or other accessibility items, contact the architect immediately before work begins for guidance.

15330 AUTOMATIC SUPPRESSION SYSTEM

- A. Contractor to furnish and install a complete wet pipe sprinkler system per N.F.P.A. 13 and Factory Mutual requirements. System to be designed to give full coverage as required by N.F.P.A. requirements for the specific use areas of this building.
- B. Bid to be complete to provide all work required. Include dedicated fire suppression line to the street, new tap and P.I.V. or vault. Riser, compressor, and alarm to be located as shown. Coordinate final locations, power, communications, and service with all other trades.
- C. Coordinate P.I.V. and Fire Department connection, location, and pipe threads with local fire department. Sprinkler lines to be installed so as not to interfere with future crane, piping systems, mechanical systems and electrical systems or fixtures.
- D. Provide shop drawings for approval before ordering materials. Design, stamped drawings and obtaining agency approvals of system to be responsibility of sprinkler subcontractor.

END OF SPECIFICATIONS

ABBREVIATIONS

These are abbreviations used on the plans and in these specifications. Not all items may be use and are for reference only.

- ACT - Acoustical Ceiling Tile
- AFF - Above Finished Floor
- CJ - Control Joint
- E.I.F.S. - Exterior Insulation and Finish System
- FRP - Fiberglass Reinforced Panels
- Gyp. Bd. - Gypsum Board
- E.B.C. - International Building Code
- MAX - Maximum
- MIN - Minimum
- NRP - Non-Removable Pin
- O.C. - On Center
- VCT - Vinyl Composite Tile
- VET - Vinyl Enhanced Tile
- V.I.F. - Verify In Field

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